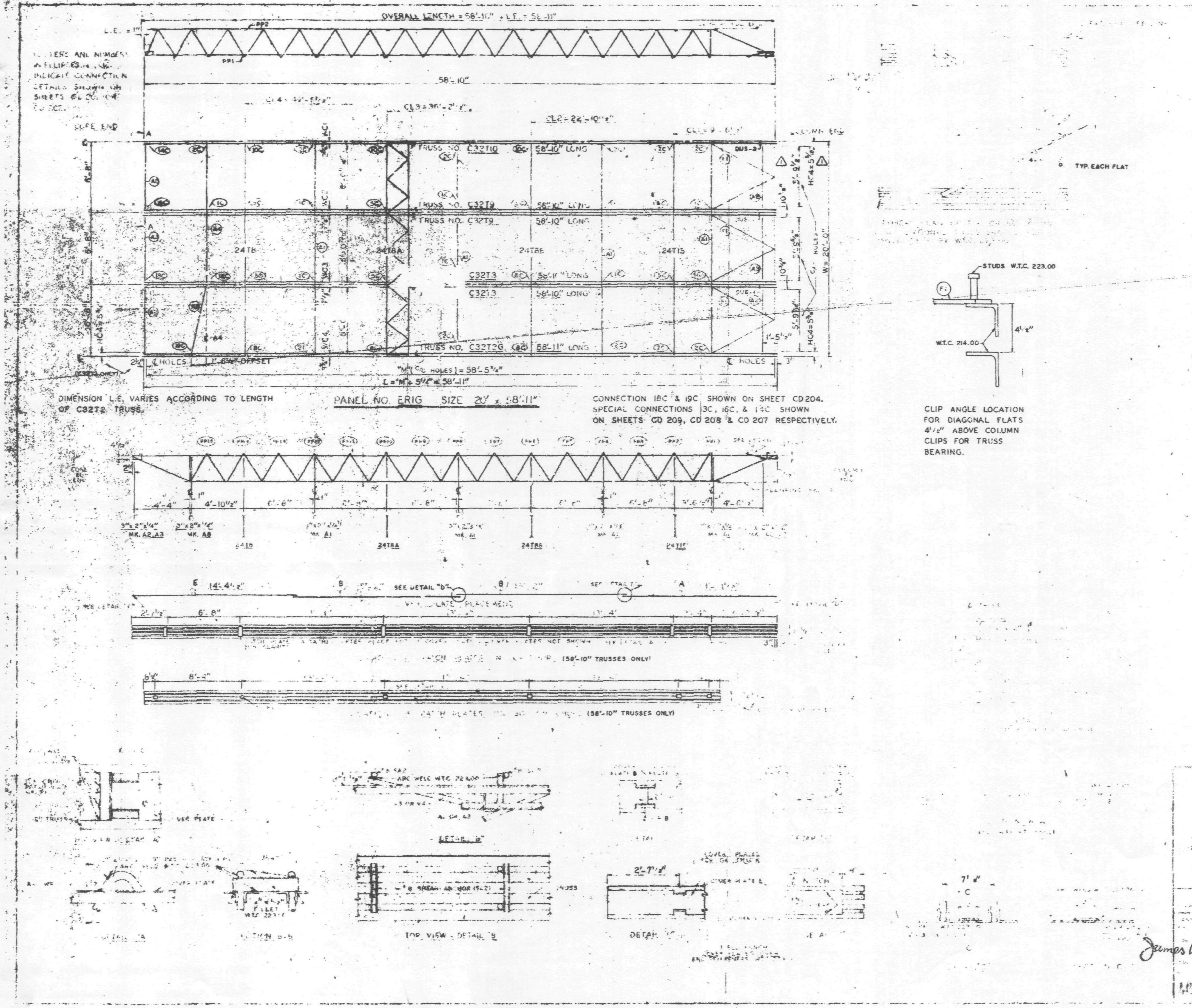
WTC1-131-LERA



[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible] 58'-11"	2[illegible]
	[illegible]	[illegible]	58'-10"	[illegible]
	[illegible]	[illegible]	58'-[illegible]"	209
	[illegible]	1	58'-10"	210
[illegible]	[illegible]8	[illegible]	[illegible]	[illegible] 208
	[illegible]	[illegible]	[illegible]	208A
	[illegible]	[illegible]	[illegible]	[illegible]T 208B
	[illegible]	[illegible]	[illegible]15	[illegible] 215
3"x 2"x ¼" ANGLE	[illegible]	6	[illegible]	[illegible]
	A2	4	[illegible]	[illegible]
	A[illegible]	[illegible]	[illegible]	[illegible]
	A4	1	3"x 2"x ¼" x 13'-3"	ST 403
	A8	1	3"x 2"x ¼" x 6'-8⅝"	ST 405
[illegible] FLAT	F1	6	1½" x ⅝" x 6'-8"	ST 402
COVER PLATES	A	3	[illegible] x .0135" x 13'-[illegible]"	ST 3[illegible]
	B	6	[illegible] x .0135" x 15'-2"	ST 303
	E	3	[illegible] x .0135" x 14'-4½"	ST 305
ANGLE CLIPS	C1	20	[illegible] x ½" x ¼" x 0'-6"	ST 400
	C2	4	[illegible]	ST 400
[illegible]	DUS-[illegible]	[illegible]	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	[illegible]	[illegible]	ST 400
	CB[illegible]	8	[illegible]	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-9"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
8 SHEAR ANCHOR	SA2	8	8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ¾" x 0'-7"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

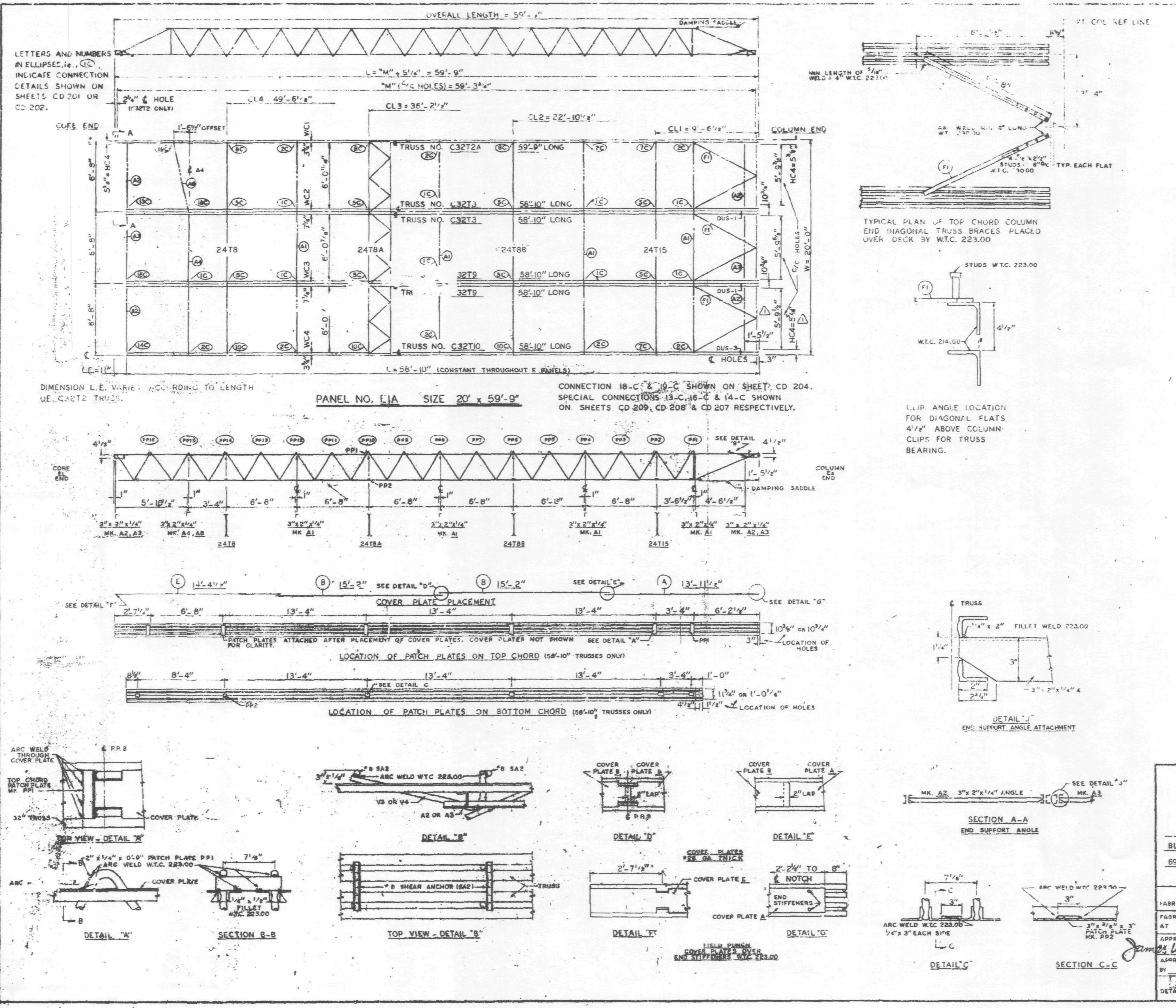
NO.	DATE	REVISION	BY
1	9-19-68	AS NOTED	T.N.C.

10-11, 39 (NORTH)

ERIG 58'-11"

James White 9/25/68

ERIG



... MATERIAL PER PANEL				REF. DWGS.
MATERIAL	MK.	PCS.	SIZE	
TRUSS	T2A	1	C32T2A - 59'-9"	ST 202A
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 24T8
	T8A	1	24T8A - 19'-11"	BT 24T8A
	T8B	1	24T8B - 19'-11"	BT 24T8B
	T15	1	24T15 - 19'-11"	BT 24T15
3"x 2"x1/4" ANGLE	A1	4	3"x 2"x1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x1/4"x 5'-11 3/8"	ST 403
	A3	2	3"x 2"x1/4"x 5'-11 5/8"	ST 403
	A4	1	3"x 2"x1/4"x 13'-3"	ST 403
	A8	1	3"x 2"x1/4"x 6'-8 3/8"	ST 403
DIAGONAL FLATS	F1	6	[illegible]	ST 402
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	E	3	9"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	4	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-8 7/8"	ST 298
	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	6	1 3/16" Φ x 1'-3"	ST 400
	CB3	6	1 5/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 3/8"x 6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400
	P5	3	4 1/2"x 1/4"x 1'-6"	ST 400
	P6	1	4 1/2"x .39"x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	9-19-68	AS NOTED	T.M.C.

REF. DRWGS.

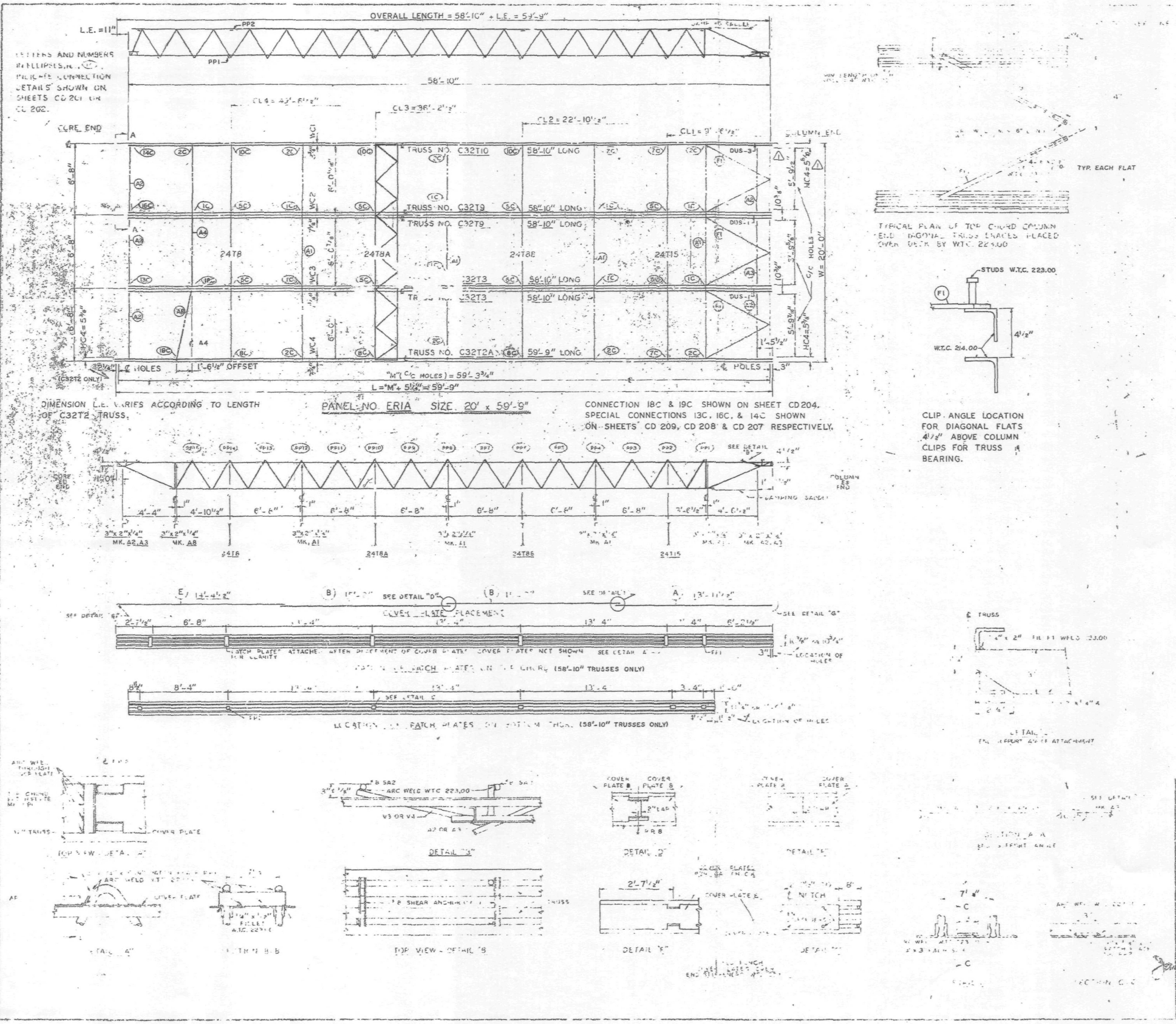
7-AB2-3 & 10	4-15-68
7-AB3-11	5-10-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 18	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-3	4-15-68
7-AB1-6, 7 & 8	5-10-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH)
PANEL E1A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11 5-10-68	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 9/25/68	DRAWN BY gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E1A



[illegible]	MK	NO.	[illegible]	DWG
[illegible]	[illegible]	[illegible]	58'-10"	203
	[illegible]	[illegible]	58'-10"	209
	[illegible]	1	58'-10"	210
[illegible]	[illegible]	1	[illegible]	208
	TFA	[illegible]	[illegible]	208A
	TFB	[illegible]	24T8 [illegible]	208B
	TF	[illegible]	[illegible] 15 [illegible]	215
3"x 2"x¼" ANGLE	A1	4	[illegible]	ST 40[illegible]
	A2	4	[illegible]	[illegible]
	A3	2	[illegible]	[illegible]
	A4	1	3"x2"x¼"x 13'-3"	ST 403
	A8	1	3"x 2"x¼"x 6'-8⅝"	ST 405
DIAGONAL FLATS	F1	[illegible]	1½"x ⅝"x 8'-8"	ST 402
COVER PLATES	A	3	9"x .0135"x 13'-11[illegible]"	[illegible]
	B	6	9"x .0135"x 15'-2"	ST 103
	E	9	9"x .0135"x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x 1½"x¼"x 0'-6"	ST 400
	C2	4	2½"x 1½"x¼"x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½"x 3½"x⅜"x 3'-6⅞"	ST 298
	DUS-3	1	3½"x 3½"x ⅜"x [illegible]	ST 298
CONNECTION BAR	CB1	1	1" ⌀ x 1'-3"	ST 400
	CB2	6	¾" ⌀ x 1'-3"	ST 400
	CB3	6	1⅝" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½"x ⅜"x 6½"	ST 400
	P2	1	4½"x .39"x 0'-9"	ST 400
	P3	1	4½"x .39"x 1'-0"	ST 400
	P5	3	4½"x ¼"x 1'-6"	ST 409
	P6	1	4½"x .39"x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2"x ¼"x 0'-9"	ST 400
	PP2	18	3"x ⅜"x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

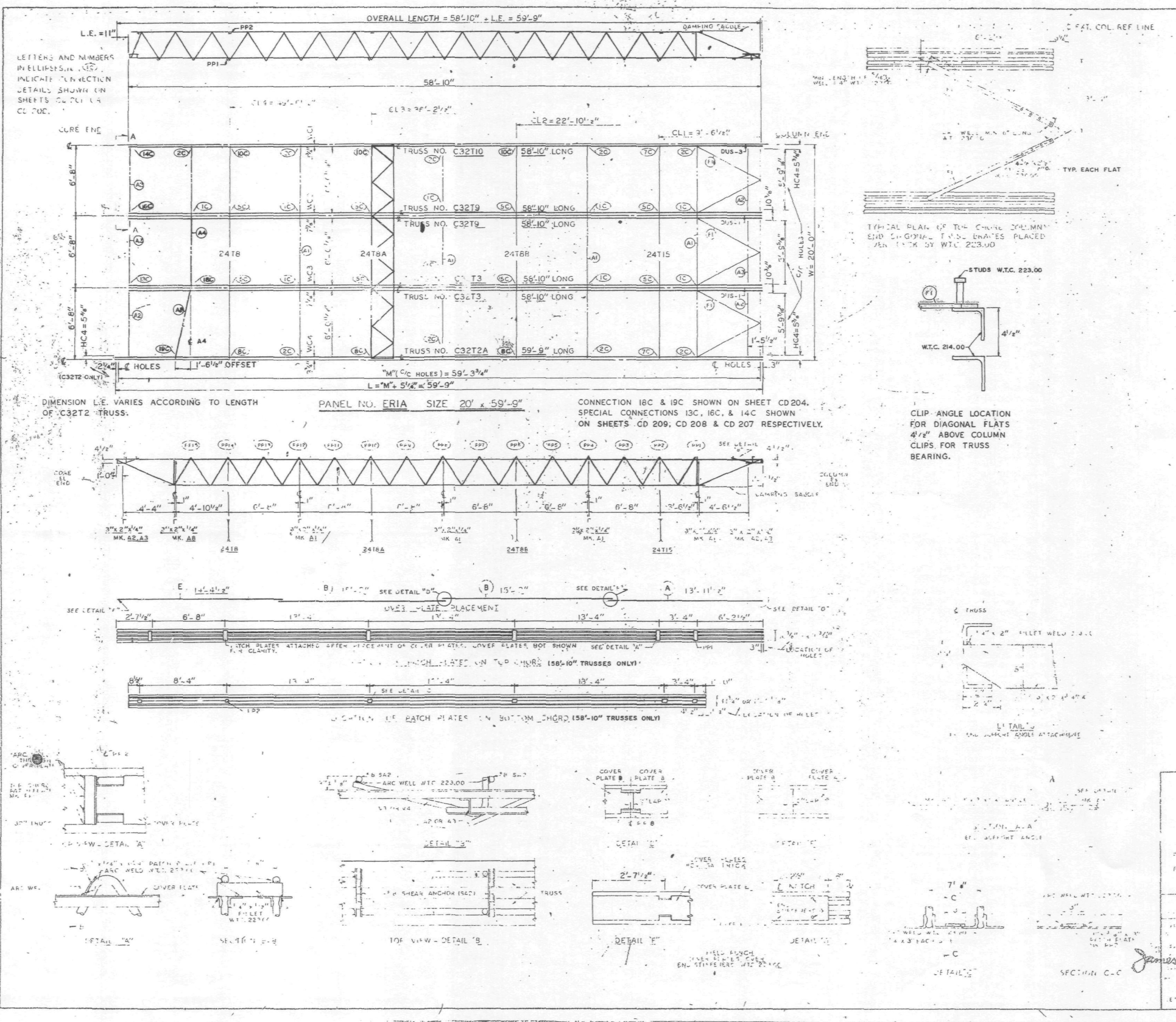
A = ¼"
B = ¼"

NO.	DATE	REVISION	BY
1	9-19-68	AS NOTED	T.M.C.

FLOOR PANEL DETAILS

PANEL ERIA

9/25/68



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
[illegible] TRUSSES	T2A	[illegible]	3?T2A - 59'-9"	ST 20?A
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
[illegible] TRUSSES	T8	1	24T8 - 19'-11"	ET 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x [illegible]-11¾"	ST 403
	A4	1	3" x 2" x ¼" x 13'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8⅝"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2" x 1½" x ¼" x 0'-6"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	[illegible]	2	3½" x 3½" x ⅜" x 3'-[illegible]"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-[illegible]⅞"	ST 298
CONNECTION BAR	CB1	1	1" ɸ x 1'-3"	ST 400
	CB2	6	1³⁄₁₆" ɸ x 1'-3"	ST 400
	CB?	6	1⁵⁄₁₆" ɸ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P8	1?	4½" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

[illegible] 4-15-68
[illegible] 5-10-68
[illegible] 5-6-68
AB4-42 4-1-68
[illegible] 10-30-68
[illegible] 4-15-68
AB1-6, 7 & 8 5-10-68

FLOOR PANEL [illegible]

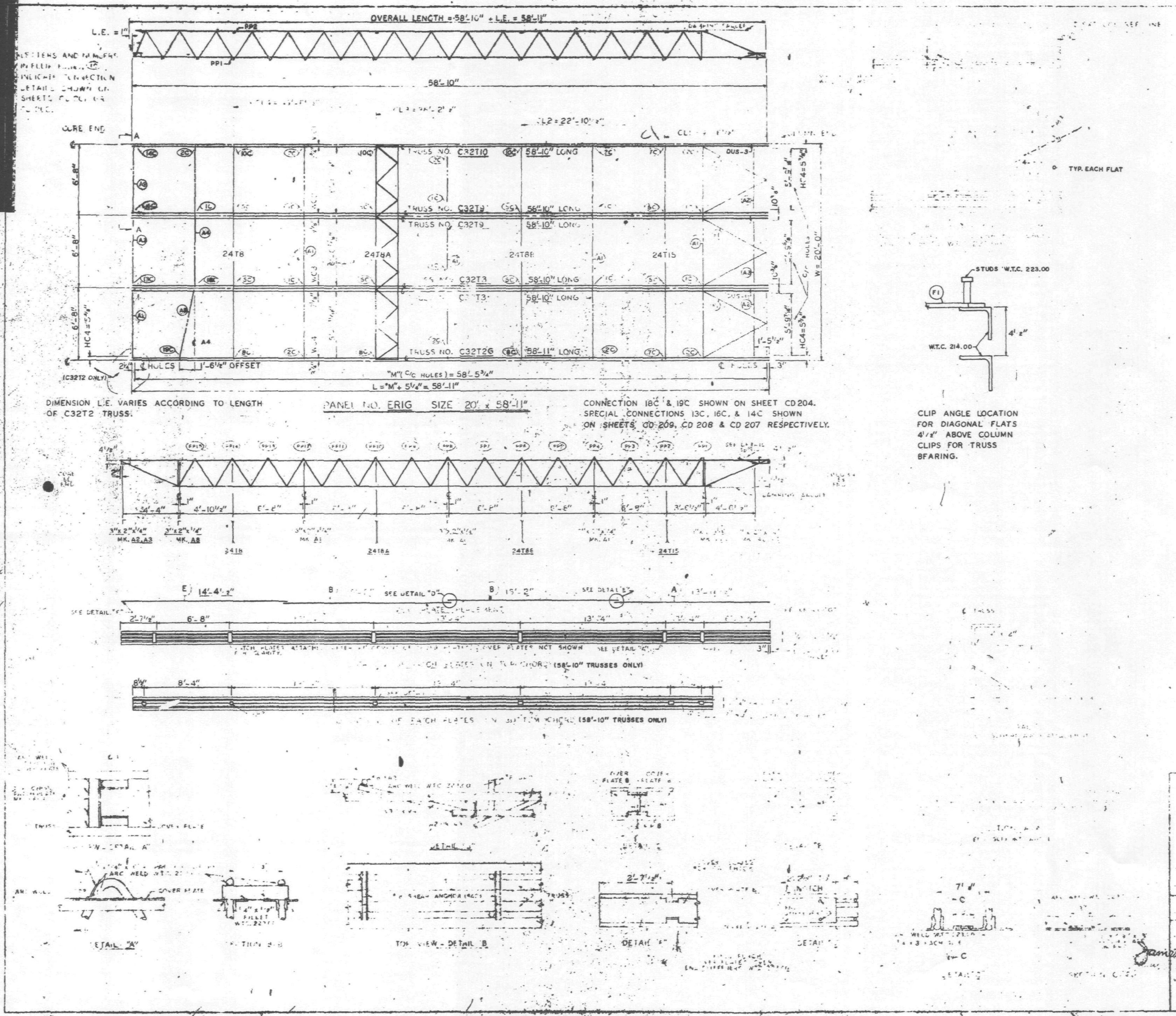
PANEL ERIA

8/19/68

JULY 22, 1968

LACLEDE STEEL CO.

FP ERIA



				FF DWG
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]G		[illegible]12G 58'-11"	ST [illegible]2G
	[illegible]	[illegible]	[illegible] 58'-10"	[illegible] 203
	[illegible]		[illegible] 58'-10"	ST 209
	T10	[illegible]	[illegible]2T10 58'-10"	ST 210
	[illegible]8		[illegible]4T8 [illegible]9'-11"	ST 208
	[illegible]8A		24T8A [illegible]	ST 208A
	[illegible]		24T8B [illegible]	ST 208B
	T1[illegible]		24T15 [illegible]	ST 215
3"x 2"x 1/4" ANGLE	[illegible]	4	3"x 2"x 1/4" x 19'-[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	[illegible]	[illegible]	ST 403
	A4	1	3"x 2"x 1/4" x 13'-3"	ST 403
	A8	1	3"x 2"x 1/4" x [illegible]	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
[illegible]	[illegible]	3	[illegible]	ST 303
	[illegible]	[illegible]	[illegible]	ST 303
	[illegible]	[illegible]	[illegible] x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	3"x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x [illegible]	ST 400
[illegible]	[illegible]	8	[illegible]	ST 298
	[illegible]	[illegible]	[illegible]	ST 298
CONNECTION BAR	[illegible]	1	[illegible]	ST 400
	CB2	[illegible]	[illegible] x 1'-3"	ST 400
	CB3	6	1 5/8" ⌀ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
8 SHEAR ANCHOR	SA2	6	8 REBARS x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

10-11,39 (NORTH)

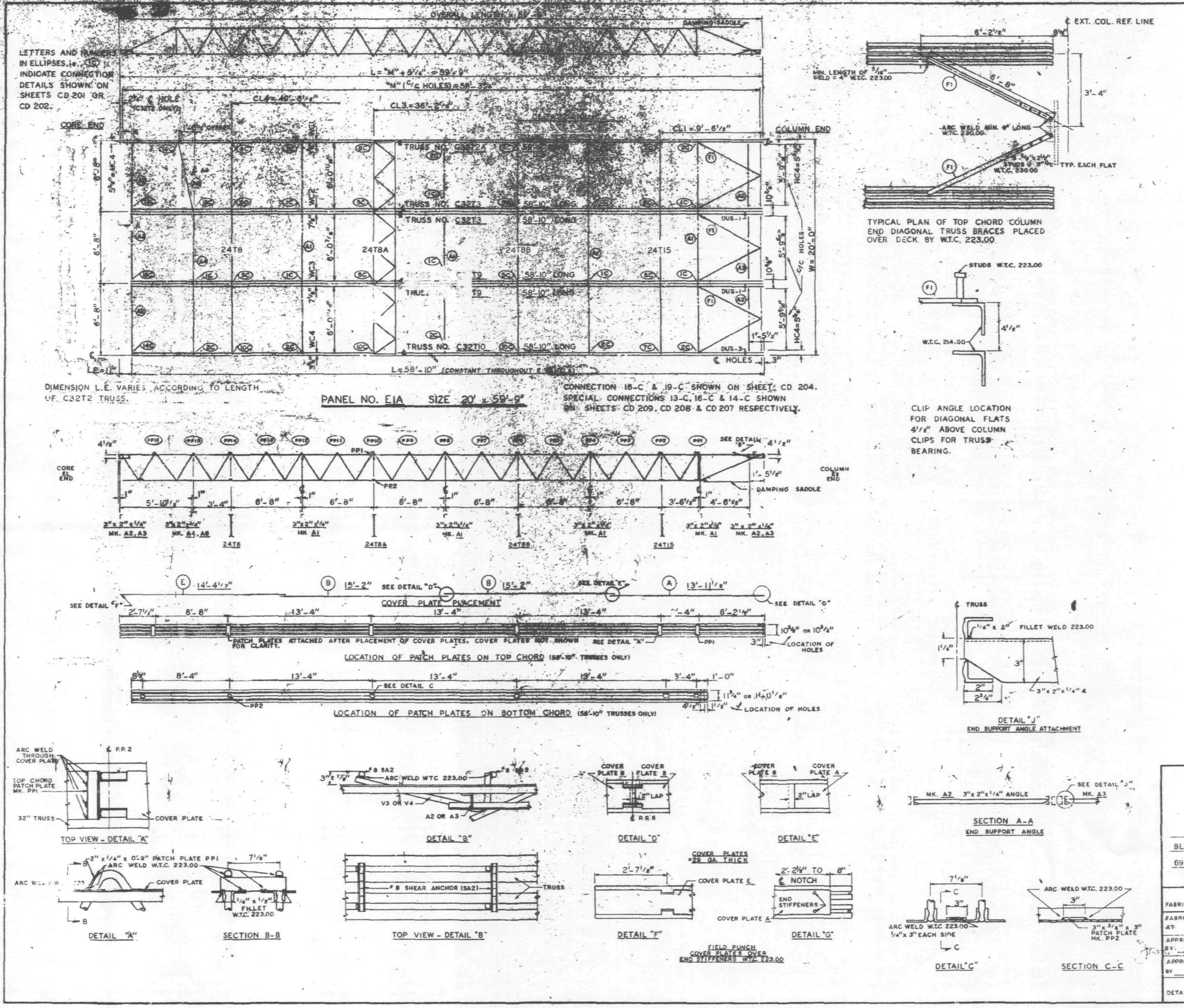
ERIG 58'-11"

JULY 22, 1968

8/14/68

LACLEDE STEEL CO.

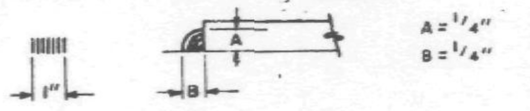
FP ERIG



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2A	1	C32T2A - 59'-9"	ST 202A
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-3"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



REF. DRWGS.

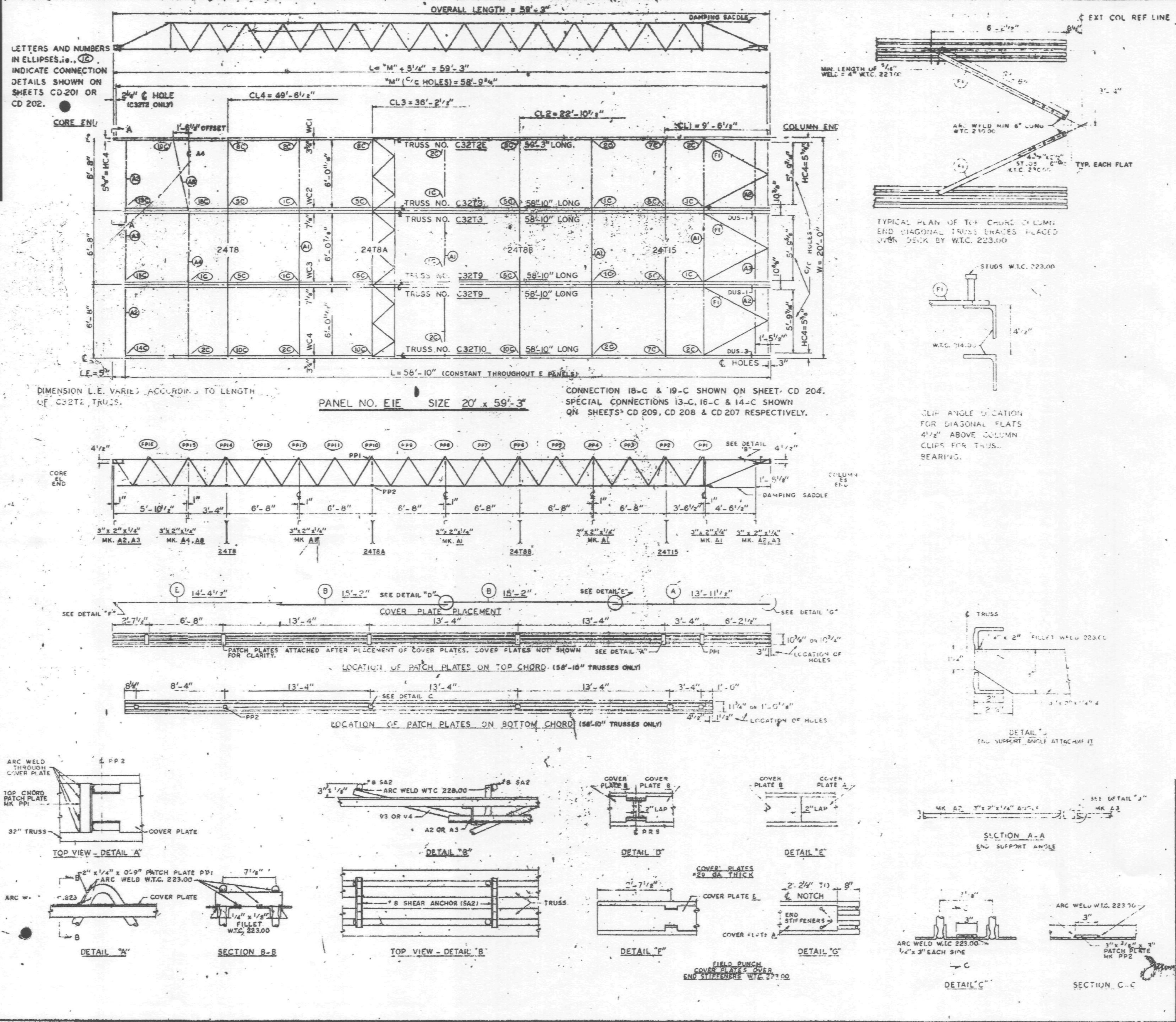
7-AB2-3 & 10	4-15-68
7-AB3-11	5-10-68
7-AB4-3, 3.1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-68
7-AB1-3	4-15-68
7-AB1-6, 7 & 8	5-10-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH) PANEL E1A – 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

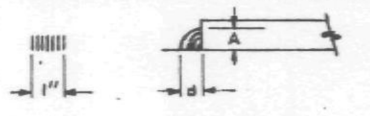
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 8/16/68	DRAWN BY gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DE.
DETAILED BY: A CARL WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP E1A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T2E	1	C32T2E - 59'-3"	ST 202E
	T3	2	C32T3 - 58'-10"	ST 202
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT 215
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A4	1	3"x 2"x 1/4"x 13'-3"	ST 403
	A8	1	3"x 2"x 1/4"x 6'-8 3/8"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-9"	ST 402
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST 303
	B	6	9"x .0135"x 15'-2"	ST 303
	E	3	9"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2"x 1/4"x 0'-8"	ST 400
	C2	4	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-8 7/8"	ST 298
	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 3/8"x 0'-11 1/2"	ST 400
	P2	1	4 1/2"x .33"x 0'-8"	ST 400
	P3	1	4 1/2"x .34"x 1'-0"	ST 400
	P5	3	4 1/2"x 1/4"x 1'-6"	ST 400
	P6	1	4 1/2"x .79"x 0'-9"	ST 401
#8 SHEAR CONNECTOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



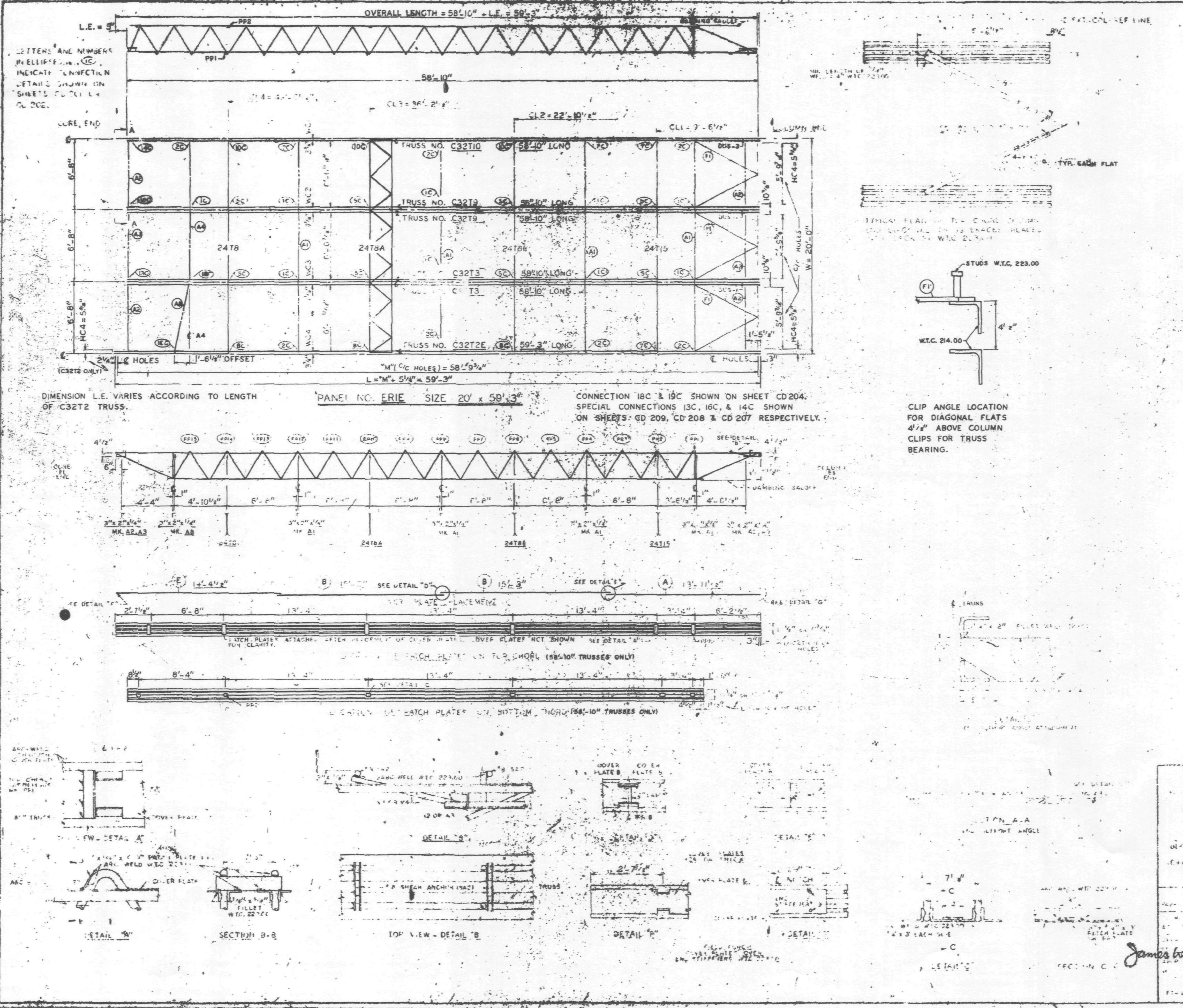
P.E. DRWGS.		
	7-AB2-3 & 10	4-15-68
	7-AB3-11	5-10-68
	7-AB4-3, 3.1 & 39	1-3-68
	7-AB4-15 & 16	5-6-68
	7-AB4-42	4-1-68
	SA-124	10-20-68
	7-AB1-3	4-15-68
	7-AB1-6, 7 & 8	5-10-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)
69 (NORTH) PANEL E1E - 20' x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO 7 AB3-11 5-10-68	PLATE
APPROVED FOR FABRICATION FOR PONYA James White DATE 8/19/68	DRAWN BY gdc DATE JULY 22, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE LACLEDE STEEL CO.	CHECKED BY T.M. CHURA DATE JULY 22, 1968	IN CHARGE OF PROD. DEV
DETAILED BY A. CARL WEBER	FABRICATION CONT NO W.T.C. 221	SHEET NO. FP E1E



				REF. DRWG.
[illegible]	[illegible]	[illegible]	SIZE	
[illegible]	CE	[illegible]	[illegible] - 59'-3"	ST 202E
	3	[illegible]	[illegible] 58'-10"	ST 203
	9	[illegible]	C32T[illegible] - 58'-10"	ST 209
	10	[illegible]	C32T10 58'-10"	ST 210
[illegible]	[illegible]	[illegible]	24T8 - [illegible]	ST 208
	T8A	[illegible]	24T8A - [illegible]	ST 208A
	T8B	[illegible]	24T8B [illegible]	ST 208B
	T15	[illegible]	24T15 - [illegible]	ST 215
3"x 2"x¼" ANGLE	[illegible]	4	3"x 2"x¼"x [illegible]	ST 403
	A2	4	3"x 2"x¼"x [illegible]	ST 403
	A3	2	3"x 2"x¼"x [illegible]	ST 403
	A4	1	3"x2"x¼" x 13'-3"	ST 403
	A8	1	3"x 2"x¼" x 6'-8⅝"	ST 405
DIAGONAL FLATS	F1	6	1½"x ⅝" x 6'-8"	ST 402
[illegible]	A	[illegible]	9"x .0135" x [illegible]	ST 303
	[illegible]	[illegible]	9"x .0135" x 15'-[illegible]"	ST 303
	E	[illegible]	9"x .0135" x 14'-4½"	ST 303
ANGLE CLIPS	C1	20	2"x 1½" x⅛" x 0'-8"	ST 400
	C2	4	2½"x 1½" x¼" x 6"	ST 400
[illegible]	[illegible]	2	3½"x 3½" x [illegible]	ST 298
	[illegible]	[illegible]	3½"x 3½" x ⅛"x [illegible]	ST 298
CONNECTION BAR	CB1	1	1" Ø x [illegible] 3"	ST 400
	CB2	3	1⅜" Ø x 1'-3"	ST 400
	CB3	6	1⅜" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½"x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
⅝ SHEAR ANCHOR	SA2	8	⅝ REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-[illegible]"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"

B = ½"

DRAWING NO. CD-[illegible]-10-11 (SOUTH)

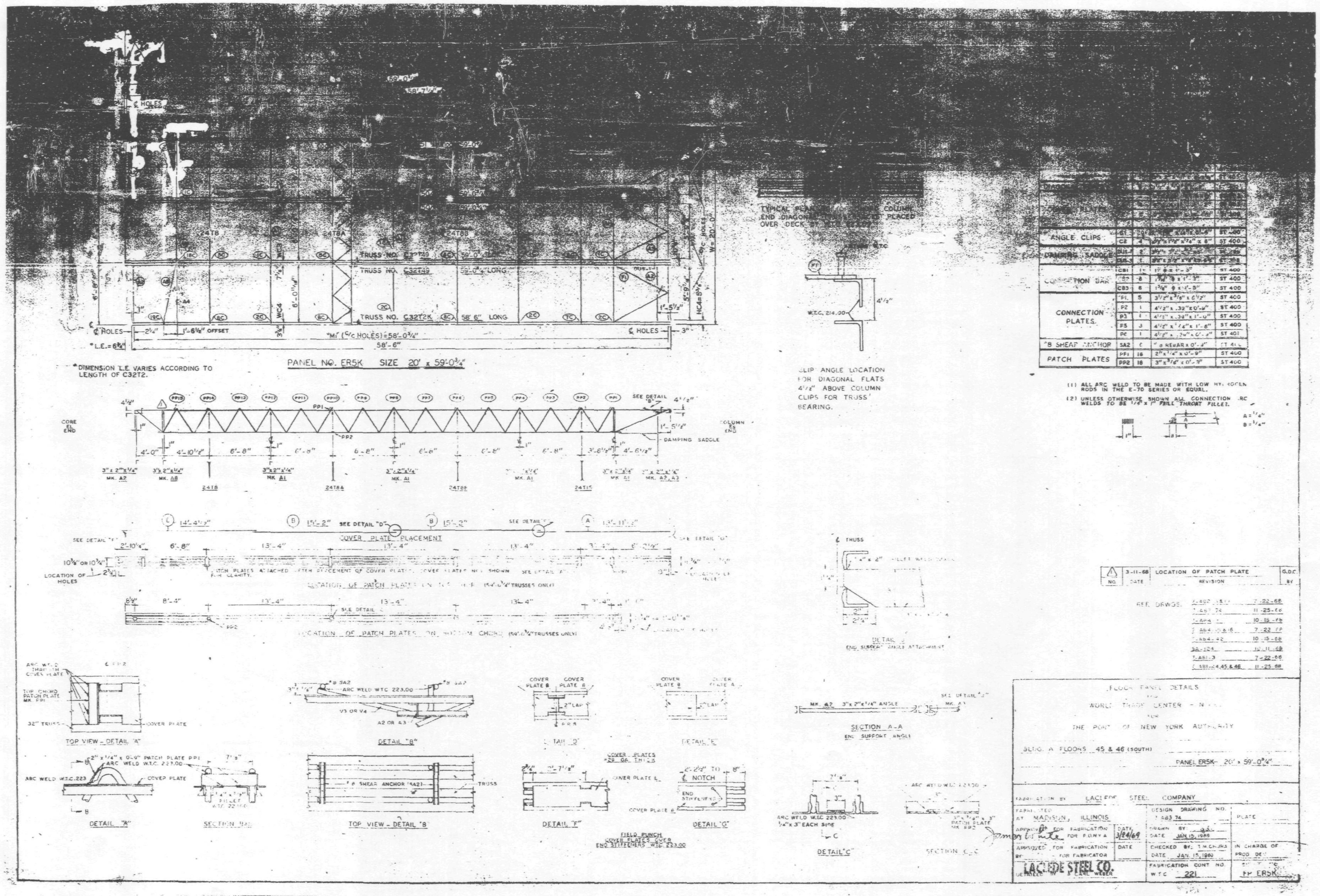
ERIE

LACLEDE STEEL CO.

DATE JULY 22, 1968

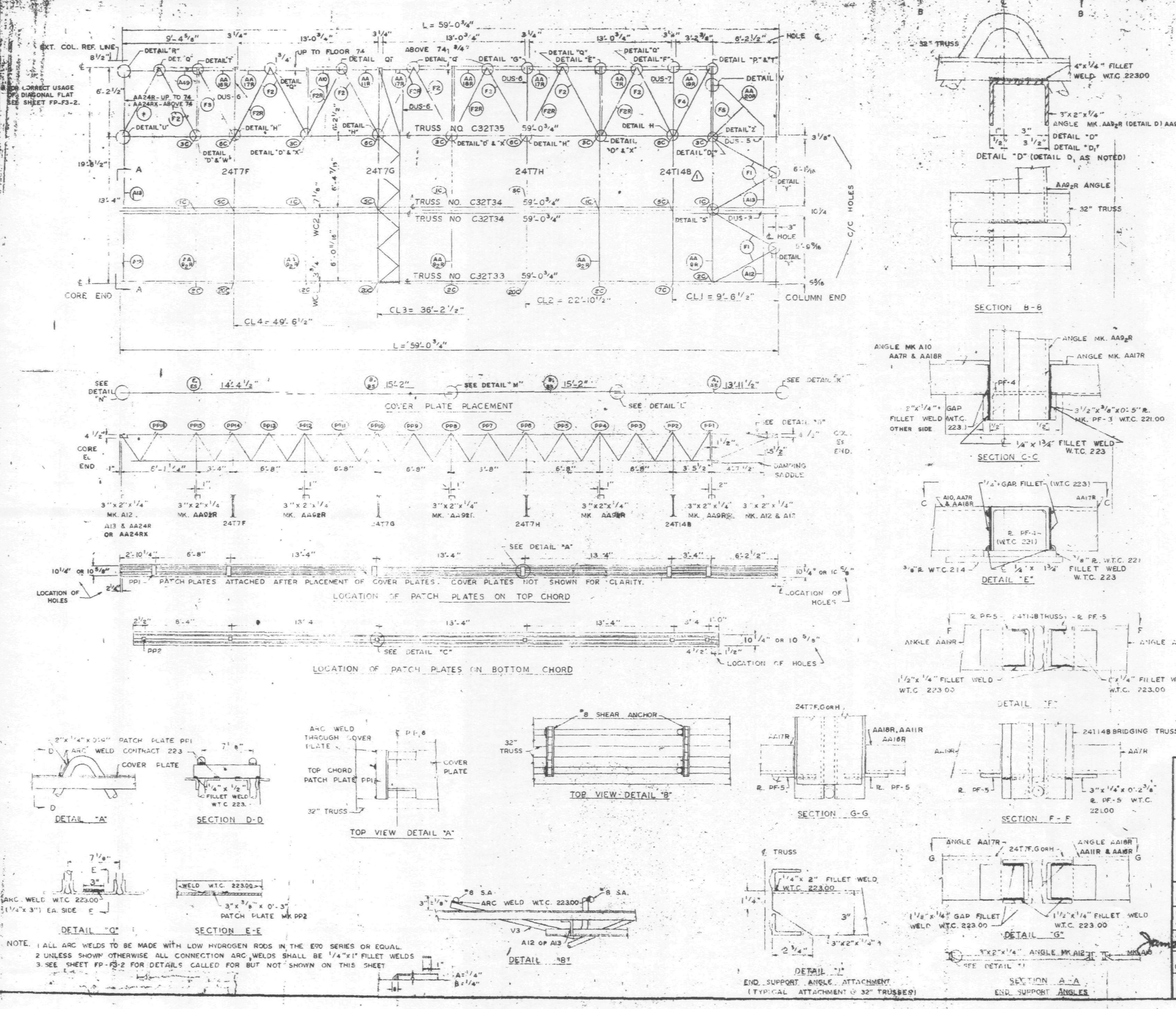
James White 8/19/68

FP ERIE



PANEL NO. ER5K SIZE 20' x 59'-0¾"
*DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2.
TRUSS NO. C32T49 58'-0¾" LONG
TRUSS NO. C32T2K 58'-6" LONG
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-0¾" TRUSSES ONLY)
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES.
#8 SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
3-11-68 LOCATION OF PATCH PLATE
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "D"
DETAIL "E"
SECTION A-A
END SUPPORT ANGLE
DETAIL "A"
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FLOOR PANEL DETAILS
WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 45 & 46 (SOUTH)
PANEL ER5K- 20' x 59'-0¾"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3 74
DATE 3/24/69
DATE JAN 15, 1969
CHECKED BY: T.M.CHURA
DATE JAN. 15, 1969
LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
FP ER5K

LETTERS & NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1C), SHOWN ON SHEETS CD 201, CD 202, CD 204 & CD 229.



NOTE. 1 ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2 UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS
3. SEE SHEET FP-F3-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T33	1	C32T33 - 59'-0 3/4"	ST 233
	T34	2	C32T34 - 59'-0 3/4"	ST 234
	T35	1	C32T35 - 59'-0 3/4"	ST 235
BRIDGING TRUSSES	T7F	1	24T7F - 19'-6"	ST 207F
	T7G	1	24T7G - 19'-6"	ST 207G
	T7H	1	24T7H - 19'-6"	ST 207H
	T148	1	24T148 - 19'-6"	ST 214B
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x2 [illegible] 5/16"	ST404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x5-11 11/16"	ST404
	A49	1	3"x2"x1/4"x6'-0 11/16"	ST413
ANGLE ASSEMBLY **(AA24R IS REPLACED BY AA24RX ABOVE FLOOR 74)	AA7R	1	SEE REF DRWG.	ST406
	AA9R	1	SEE REF. DRWG.	ST406
	AA92R	4	SEE REF DRWG.	ST406
	AA11R	1	SEE REF DRWG.	ST406
	AA16R	1	SEE REF DRWG.	ST406
	AA17R	3	SEE REF. DRWG.	ST406
	AA18R	1	SEE REF. DRWG.	ST406
	AA19R	1	SEE REF. DRWG.	ST406
	** AA24R	1	SEE REF. DRWG.	ST412
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2 / F2R	7 / 6	1 1/2"x 5/8"x 6-10 1/2"	ST402
	F3	4	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8"x 4'-0"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x .0135"x 13'-11 1/2"	ST303
	B	2	9"x .0135"x 15'-2"	ST303
	E	1	9"x .0135"x 14'-4 1/2"	ST303
	AS	1	3 1/2"x .0135"x 13'-11 1/2"	ST303
	BS	2	3 1/2"x .0135"x 15'-2"	ST303
	ES	1	3 1/2"x .0135"x 14'-4 1/2"	ST303
ANGLE CLIPS	C2	4	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C1	12	2"x 1 1/2"x 1/4"x 0'-6"	ST400
DAMPING SADDLE	DUS-3		3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-3	5	3 1/2"x 3/8"x 0'-[illegible]	ST400
CONN. ANGLE	C5	1	3"x 2"x .37"x 0'-3"	ST 413
FLAT ASSEMBLY	F8BR	*	SEE REF DRWG.	ST 415
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400
CORNER ANGLE ASSEMBLY	AA20R	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
1	8-4-69	AS NOTED	[illegible]

REF. DRWG

7-AB1-30	1-6-69	SA-124	1-6-69
7-AB1-31	1-6-69	7-AB4-14,141	10-15-68
7-AB1-32	1-6-69	7-AB4-15,16	7-22-68
7-AB2-16	1-6-69	7-AB4-21	7-22-68
7-AB2-9	1-6-69	7-AB4-23-25	7-22-68
7-AB3-41	1-6-69	7-AB4-29	1-3-68
7-AB3-52	1-6-69	7-AB4-39-41,43	7-22-68
7-AB4-3	10-15-68	7-AB4-42	10-15-68
		7-AB4-45	12-20-68

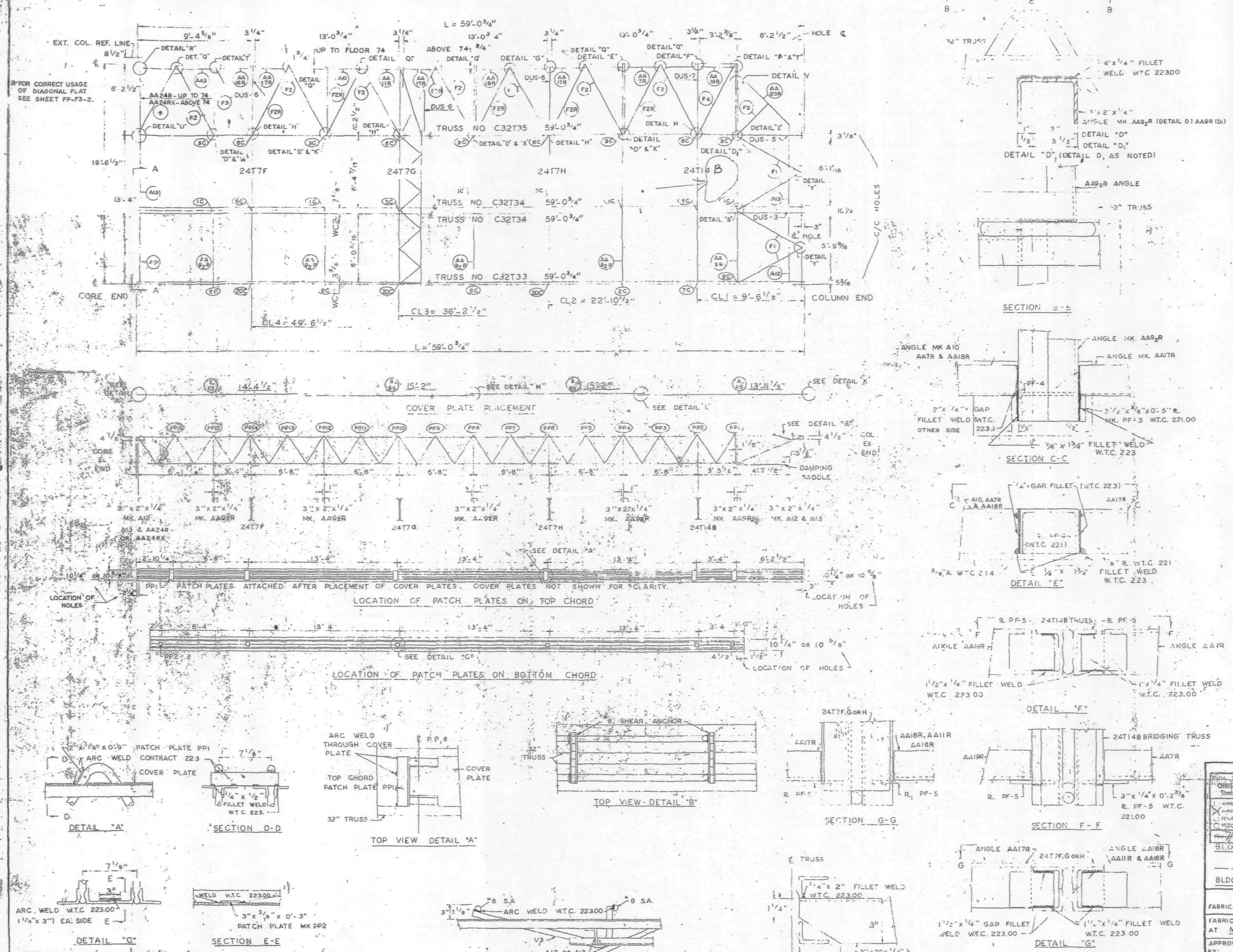
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 78 (NORTH & SOUTH) 44 (NORTH ONLY)
PANEL FR3 19'-6" x 59'-0 3/4"
BLDG B FLOORS 44 & 78 (NORTH & SOUTH)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-52	PLATE
APPROVED FOR FABRICATION BY: [signature] FOR P.O.N.Y.A.	DATE 8/11/69	DRAWN BY: [illegible] DATE APRIL 7, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE APRIL 7, 1969	IN CHARGE OF PROD. DEV.
[redacted] DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-FR3

LETTERS & NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1C), SHOWN ON SHEETS CD 201, CD 202, CD 204, & CD 229.



NOTE: 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS
3. SEE SHEET FP-F3-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T33	1	C32T33 - 59'-0 3/4"	ST 233
	T34	2	C32T34 - 59'-0 3/4"	ST 234
	T35	1	C32T35 - 59'-0 3/4"	ST 235
BRIDGING TRUSSES	T7F	1	24T7F - 19'-6"	BT207F
	T7G	1	24T7G - 19'-6"	BT207G
	T7H	1	24T7H - 19'-6"	BT207H
	T14B	1	24T14B - 19'-6"	BT214B
3"x2"x1/4" ANGLES	[illegible]	1	3"x2"x1/4"x[illegible] 5/16"	ST404
	A3	2	3"x2"x1/4"x6'-3 7/16"	ST404
	[illegible]	2	3"x2"x1/4"x5'-11 11/16"	ST404
	A49	1	3"x2"x1/4"x6'-0 11/16"	ST413
ANGLE ASSEMBLY **(AA24R IS REPLACED BY AA24RX ABOVE FLOOR 74)	AA7R	1	SEE REF. DRWG.	ST406
	AA9R	1	SEE REF. DRWG.	ST406
	AA9₂R	4	SEE REF. DRWG.	ST406
	AA11R	1	SEE REF. DRWG.	ST406
	AA16R	1	SEE REF. DRWG.	ST406
	AA17R	3	SEE REF. DRWG.	ST406
	AA18R	1	SEE REF. DRWG.	ST400
	AA19R	1	SEE REF. DRWG.	ST400
	** AA24R	1	SEE REF. DRWG.	ST412
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
	F2 / F2R	7 / 6	1 1/2"x5/8"x6'-10 1/2"	ST402
	F3	4	1 1/2"x5/8"x6'-11 1/4"	ST402
	F4	1	1 1/2"x5/8"x7'-0"	ST402
	F5	1	1 1/2"x5/8"x4'-4"	ST402
PATCH PLATES	PP1	6	2"x1/4"x0'-9"	ST400
	PP2	5	3"x3/8"x0'-3"	ST400
COVER PLATES	A	1	9"x.0135"x13'-11 1/2"	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	As	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	Bs	2	3 1/2"x.0135"x15'-2"	ST303
	Es	1	3 1/2"x.0135"x14'-4 1/2"	ST303
ANGLE CLIPS	C2	4	2 1/2"x1 1/2"x1/4"x0'-6"	ST400
	C1	12	2"x1 1/2"x1/4"x0'-6"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x1/2"x0'-4"	ST400
	PF-3	5	3 1/2"x3/8"x0'-[illegible]"	ST400
CONN. ANGLE	C5	1	3"x2"x.37"x0'-3"	ST413
FLAT ASSEMBLY	F8BR	*	SEE REF. DRWG.	ST415
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
CORNER - ANGLE ASSEMBLY	AA20R	1	SEE REF. DRWG.	ST405

NO	DATE	REVISION	BY

REF. DRWG.			
		SA-124	1-6-69
7-AB1-30	1-6-69	7-AB4-14,14.1	10-15-68
7-AB1-31	1-6-69	7-AB4-15,16	7-22-68
7-AB1-32	1-6-69	7-AB4-21	7-22-68
7-AB2-16	1-6-69	7-AB4-23-25	7-22-68
7-AB2-9	1-6-69	7-AB4-29	1-3-68
7-AB3-41	1-6-69	7-AB4-39-41,43	7-22-68
7-AB3 52	1-6-69	7-AB4-42	10-15-68
7-AB4-3	10-15-68	7-AB4-45	12-20-68

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
RESUBMIT
REJECTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

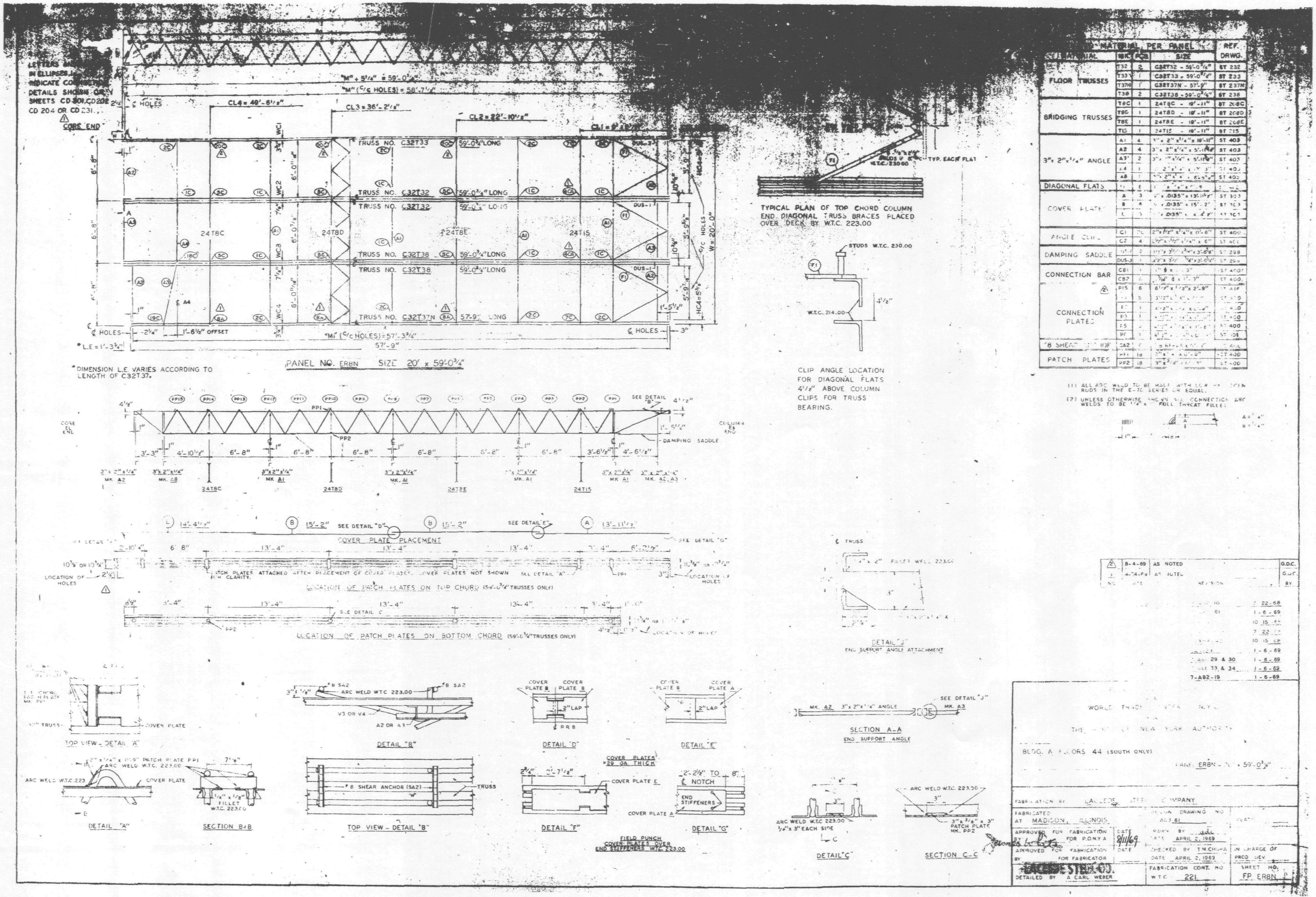
BLDG A - FLOORS 78 (NORTH & SOUTH) 44 (NORTH ONLY)

PANEL FR3 19'-6" x 59'-0 3/4"

BLDG B FLOORS 44 & 78 (NORTH & SOUTH)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-52	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: [illegible] DATE APRIL 7, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY. T.M. CHURA DATE APRIL 7, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-FR3



[illegible] MATERIAL	MK.	PCS.	SIZE	REF. DRWG.
FLOOR TRUSSES	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
	T37N	1	C32T37N - 57'-9"	ST 237N
	T38	2	C32T38 - 59'-0 3/4"	ST 238
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	ST 208C
	T8D	1	24T8D - 19'-11"	ST 208D
	T8E	1	24T8E - 19'-11"	ST 208E
	T15	1	24T15 - 19'-11"	ST 215
3"x 2"x 1/4" ANGLE	A1	4	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	4	3"x 2"x 1/4"x 5'-11"	ST 403
	A3	2	3"x 2"x 1/4"x 5'-11"	ST 403
	A4	1	[illegible]	ST 403
	A8	1	[illegible]	ST 403
DIAGONAL FLATS	F1	6	[illegible]	[illegible]
COVER PLATES	A	3	[illegible] x .0135" x 13'-11 1/2"	ST 303
	B	8	[illegible] x .0135" x 15'-2"	ST 303
	E	[illegible]	[illegible] x .0135" x 4'-4 1/2"	ST 303
ANGLE CLIPS	C1	[illegible]	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	4	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST 298
	DUS-3	1	[illegible]	ST 298
CONNECTION BAR	CB1	1	[illegible]	ST 400
	CB2	[illegible]	[illegible] x 1'-3"	ST 400
CONNECTION PLATES (2)	P15	6	6 1/2"x 1/2"x 2'-9"	[illegible]
	[illegible]	5	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	[illegible]	[illegible] x 1'-6"	ST 400
	P6	1	[illegible]	ST 403
#8 SHEAR [illegible]	SA2	[illegible]	[illegible]	ST 400
PATCH PLATES	PP1	18	[illegible] x 0'-9"	ST 400
	PP2	18	3"x 3/8"x [illegible]	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HY[illegible] RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x [illegible] FULL THROAT FILLET

NO.	DATE	REVISION	BY
2	8-4-69	AS NOTED	G.D.C.
1	4-24-69	AS NOTED	G.D.C.

[illegible]	7-22-68
[illegible] 61	1-6-69
[illegible]	10-15-68
[illegible]	7-22-68
[illegible]	10-15-68
[illegible]	1-6-69
[illegible] 29 & 30	1-6-69
[illegible] 33 & 34	1-6-69
7-AB2-19	1-6-69

WORLD TRADE CENTER N.Y.C.

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (SOUTH ONLY)

PANEL ER8N - 20' x 59'-0 3/4"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. AB3 61

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 8/11/69

DRAWN BY [illegible] DATE APRIL 2, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M.CHURA DATE APRIL 2, 1969

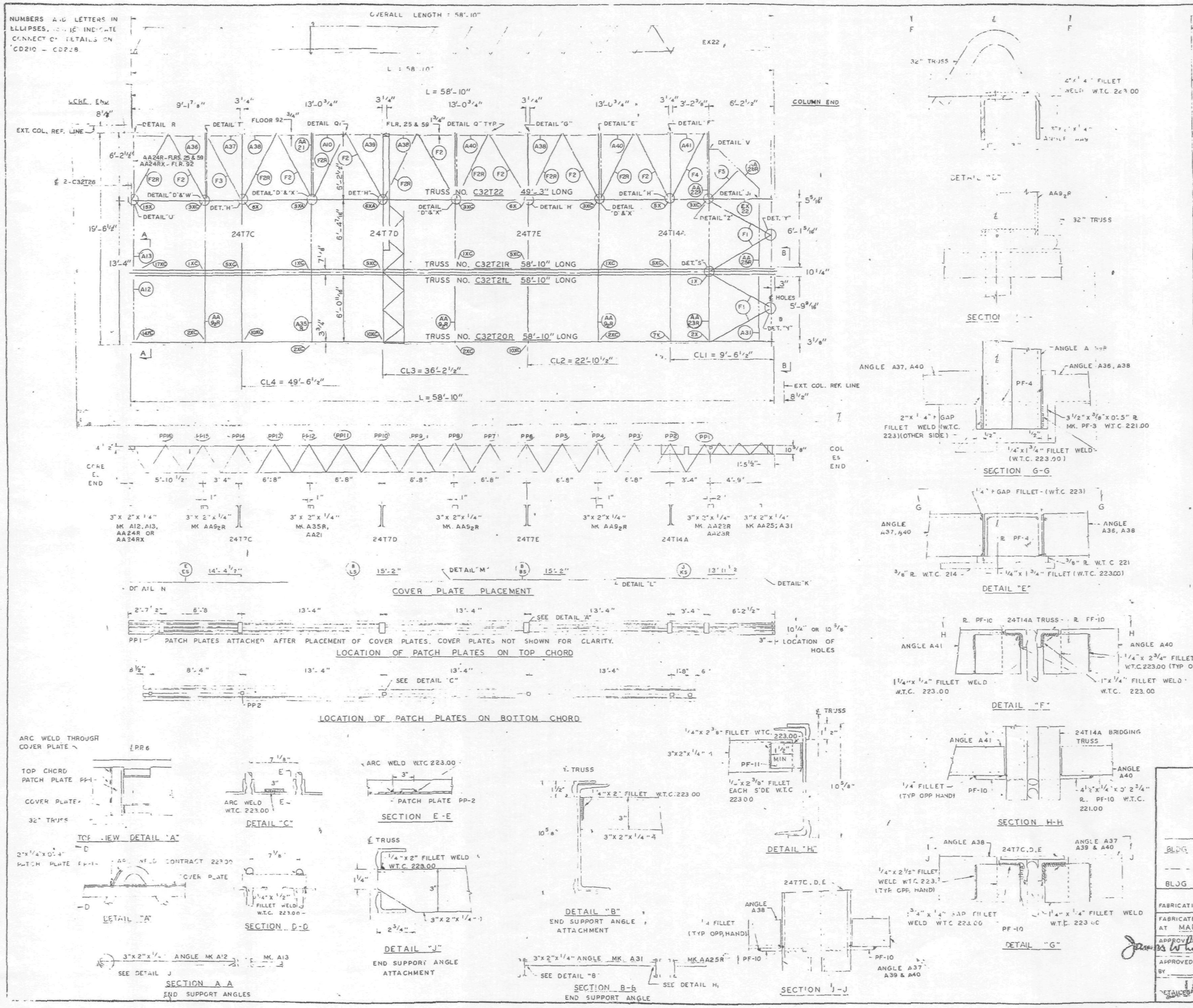
IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.

DETAILED BY A CARL WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP ER8N



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK		SIZE	REF. DRWG
FLOOR TRUSSES	T20R		C32T20R - 58'-10"	ST 220L
	T21L / T21R		C32T21L - 58'-10" / C32T21R 58'-10"	ST221L
	T22	1	C32T22 - 58'-10"	ST 222
BRIDGING TRUSSES	T7C	1	24T7C - 19'-6"	BT207C
	T7D		24T7D - 19'-6"	BT207D
	T7E		24T7E - 19'-6"	BT207E
	T14A		24T14A - 19'-6"	BT214A
3"x 2"x 1/4" ANGLES	A10		3"x 2"x 1/4"x 2'-7 15/16"	ST404
	A12		3"x 2"x 1/4"x 5'-11 11/16"	ST404
	A13		3"x 2"x 1/4"x 6'-3 7/16"	ST404
	A31	1	3"x 2"x 1/4"x 5'-8 1/8"	ST410
	A36		3"x 2"x 1/4"x 5'-11 1/2"	ST410
	A37		3"x 2"x 1/4"x 2'-0"	ST410
	A38	3	3"x 2"x 1/4"x 6'-4"	ST410
	A39	1	3"x 2"x 1/4"x 2'-9"	ST410
	A40	2	3"x 2"x 1/4"x 6'-2"	ST410
	A41	1	3"x 2"x 1/4"x 2'-10 3/4"	ST410
	A35	1	3"x 2"x 1/4"x 13'-3"	ST410
ANGLE ASSEMBLY *(ANGLE ASSEMBLY AA24R IS REPLACED BY AA24RX ON FLOOR 92).	AA21	1	SEE REF. DRWG.	ST411
	AA22	1	SEE REF. DRWG	ST411
	AA23R	1	SEE REF. DRWG.	ST411
	*AA24R	1	SEE REF DRWG.	ST412
	AA25R	1	SEE REF. DRWG.	ST412
	AA26R	1	SEE REF. DRWG.	ST412
	AA9 2R	3	SEE REF. DRWG.	ST404
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x 0135"x 13'-11 1/2"	ST 303
	Ks	1	3 1/2"x 0135"x 13'-11 1/2"	ST 304
	B	2	9"x 0135"x 15'-2	ST 303
	Bs	1	3 1/2"x.0135"x 15'-2"	ST 303
	Ls	1	3 1/2"x.0135"x 15'-2"	ST304
	E	1	9"x 0135"x 14'-4 1/2"	ST303
	Es	1	3 1/2"x.0135"x 14'-4 1/2"	ST303
ANGLE CLIPS**	C1	12	2"x 1 1/2"x .25"x 6"	ST400
	C2	4	2 1/2"x 1 1/2"x .25"x 6"	ST400
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2 / F2R	7 / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4		1 1/2"x 5/8"x 7'-0"	ST 402
	F5		1 1/2"x 5/8"x 4'-4"	ST 402
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF 3	5	3 1/2"x 3/8"x 0'-5"	ST400
	PF-7	1	5"x 3/8"x 0'-4"	ST401
	PF 8	5	3 1/2"x 1/4"x 0'-2 7/8"	ST401
	PF-10	8	4 1/2"x 1/4"x 0'-2 3/4"	ST401
	PF 11	1	3"x 1/4"x 0'-2 3/8"	ST412
EXTENDED END	EX	1	SEE REF DRWG	ST 222
	22			

** NUMBER OF PIECES OF ANGLES MK. C1 & C2 AS SHOWN WILL BE CORRECT AFTER FLOOR 32. TOWER "A".

NO.	DATE	REVISION	BY.

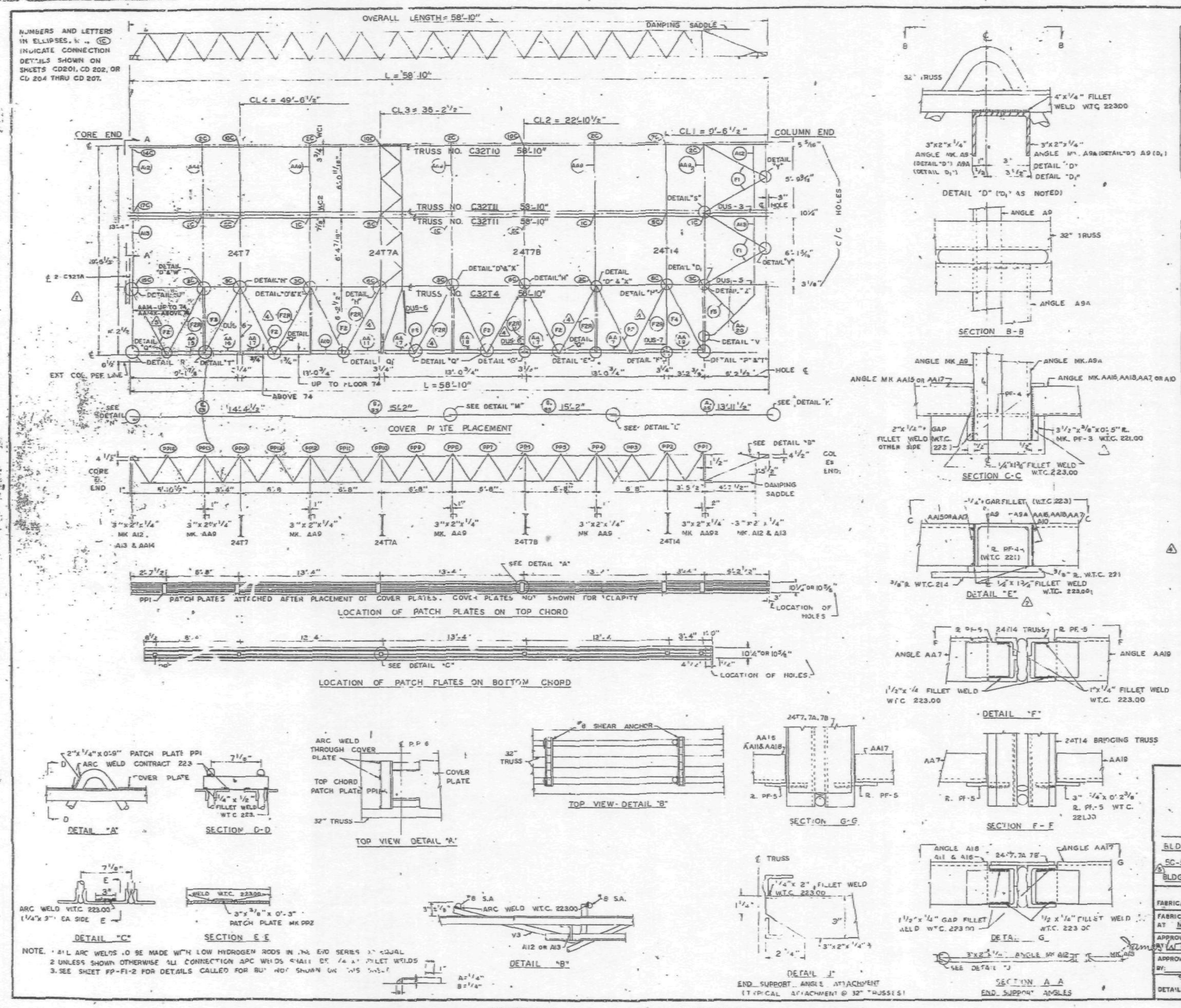
SEE SHEET FP F2 2 FOR NOTES, REF DRWG & ADDITIONAL DETAILS

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 25, 59 & 92 (NORTH & SOUTH)
PANEL FR2 19'-6" x 58'-10"
BLDG B FLOORS 25, 59 & 92 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83	PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 6/20/69	DRAWN BY [illegible] DATE APRIL 7, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 7, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible] (stamp: LACLEDE STEEL CO.)		FABRICATION CONT. NO WTC 221	SHEET NO. FP - FR2



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK.	PCS	SIZE	DRWG
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x 2'-7 5/16"	ST404
	A13	2	3"x2"x1/4"x 6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x 5'-11 9/16"	ST404
ANGLE ASSEMBLY** (**AA14 IS REPLACED BY AA14X ABOVE FLR. 74) (5)	AA7	1	SEE REF. DRWG.	ST404
	AA9	4	SEE REF. DRWG.	ST404
	[illegible]	[illegible]	SEE REF. DRWG.	ST404
	[illegible]	[illegible]	SEE REF. DRWG.	ST404
	[illegible]	[illegible]	[illegible] DRWG.	ST404
	[illegible]	[illegible]	[illegible] DRWG.	ST404
	[illegible]	[illegible]	[illegible]	ST404
	AA17	3	SEE REF. DRWG.	ST404
	AA18	1	SEE REF. DRWG.	ST404
	AA19	1	SEE REF. DRWG.	ST404
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
(3)	F2 / F2R	7 / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0	ST402
	F5	1	1 1/2"x 5/8 x 4'-4	ST402
PATCH PLATES	PP1	6	2 x 1/4 x 0'-9"	ST400
	PP2	5	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x 0135 x 13'-11 1/2	ST303
	B	2	9"x 0135"x 15'-2	ST303
	E	1	9"x 0135"x 14'-4 1/2"	ST303
	AS	1	3 1/2"x 0135"x 13'-11 1/2"	ST303
	BS	2	3 1/2"x 0135"x 15'-2	ST303
	ES	1	3 1/2"x 0135"x 14'-4 1/2	ST303
ANGLE CLIPS* (4)	C2	4	2 1/2"x 1 1/2"x 1/4"x 6"	ST400
	C1	12	2"x 1 1/2"x 1/4"x 0'-6"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST298
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-7	[illegible]	5"x 3/8"x 4"	ST401
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST400
(4) #8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-3"	ST400
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF DRWS	ST405

*CLIP ANGLE CHANGE BECOMES EFFECTIVE WITH 33RD FLOOR, TOWER "A".

NO.	DATE	REVISION	BY
5	4-24-69	AS NOTED	G.D.C.
4	3-20-69	AS NOTED*	G.D.C.
3	10-11-68	F2 & F2R	T.M.C.
2	9-30-68	AS NOTED	T.M.C.
1	9-19-68	GENERAL	T.M.C.

REF. DRWG.

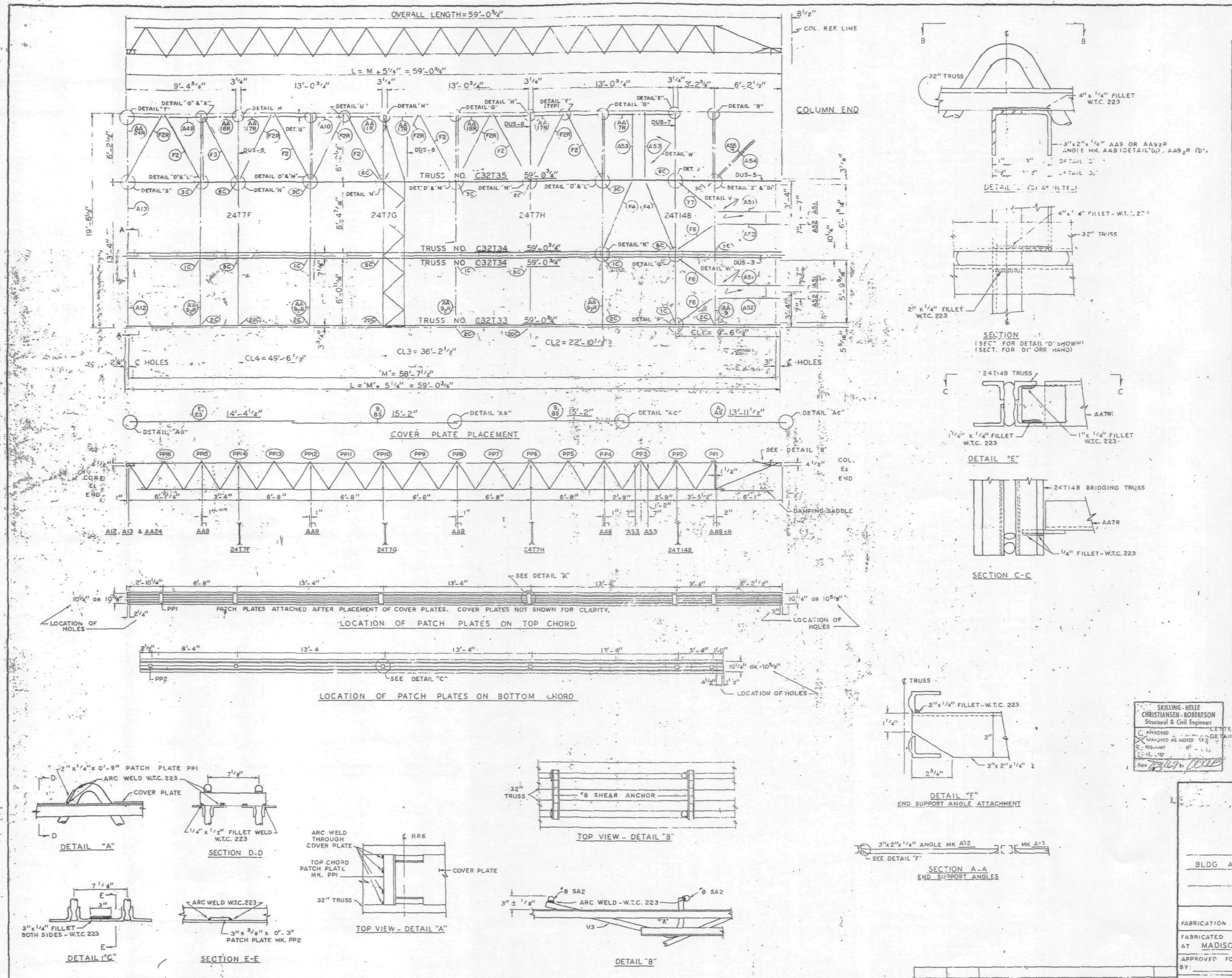
		SA-124	10-20-67
7-AB1-8	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-9	5-10-68	7-AB4-15,16	5-6-68
7-AB1-10	5-10-68	7-AB4-21	1-3-68
7-AB2-2	4-1-68	7-AB4-23,25	4-1-68
7-AB2-9	4-1-68	7-AB4-29,36.2	4-1-68
7-AB3-2	1-3-68	7-AB4-39-41,43	1-3-68
7-AB3-13	5-10-68	7-AB4-42	4-1-68
7-AB4-3,3.1,4	1-3-68	7-AB4-45,47,47.1	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24 26-40, 60-66, 68-74, 93-106 (NORTH & SOUTH)
(5) 50-58, 79-91 (S) 46-58, 84-91 (N) PANEL F1 19'-6" x 58'-10"
BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-105 (E & W) 46-49 (W) 79-83 (E)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-13 5-10-68	PLATE
APPROVED FOR FABRICATION BY: [signature] FOR P.O.N.Y.A.	DATE 5/15/69	DRAWN BY: [illegible] DATE JULY 5, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T33	1	C32T33 x 59'-0 3/4"	ST 233
	T34	2	C32T34 x 59'-0 3/4"	ST 234
	T35	1	C32T33 x 59'-0 3/4"	ST 235
BRIDGING TRUSSES	T7F	1	24T7F x 19'-6"	BT 207F
	T7G	1	24T7G x 19'-6"	BT 207G
	T7H	1	24T7H x 19'-6"	BT 207H
	T14B	1	24T14B x 19'-6"	BT 214B
3"x2"x1/4" ANGLES	A10	1	3"x2"x1/4"x 2'-7 15/16"	ST 404
	A12	1	3"x2"x1/4"x 6'-11 11/16"	ST 404
	A13	1	3"x2"x1/4"x 6'-3 7/16"	ST 404
	A49	1	3"x2"x1/4"x 6'-0 11/16"	ST 413
	A51	2	3"x2"x1/4"x 6'-0"	ST 413
	A52	2	3"x2"x1/4"x 6'-0"	ST 413
	A53	2	3"x2"x1/4"x 5'-10"	ST 413
	A54	1	3"x2"x1/4"x 4'-0 1/2"	ST 413
	A55R	1	3"x2"x1/4"x 4'-3"	ST 413
ANGLE ASSEMBLY	AA7R	1	SEE REF. DRWG.	ST 406
	AA9	1	SEE REF. DRWG.	ST 404
	AA9 2R	4	SEE REF. DRWG.	ST 406
	AA11R	1	SEE REF. DRWG.	ST 406
	AA16R	1	SEE REF. DRWG.	ST 406
	AA17R	3	SEE REF. DRWG.	ST 406
	AA18R	1	SEE REF. DRWG.	ST 406
	AA24R	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F2	6	1 1/2"x 5/8"x 6'-10 1/2"	ST 402
	F2R	6	1 1/2"x 5/8"x 6'-10 1/2"	ST 402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST 402
	F4	2	1 1/2"x 5/8"x 7'-0"	ST 402
	F6	3	1 1/2"x 5/8"x 4'-7"	ST 415
	F7	1	1 1/2"x 5/8"x 4'-9 3/4"	ST 415
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST 400
	PP2	6	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	1	9"x .0135"x 13'-11 1/2"	ST 303
	B	2	9"x .0135"x 15'-2"	ST 303
	E	1	9"x .0135"x 14'-4 1/2"	ST 303
	As	1	3 1/2"x .0135"x 13'-11 1/2"	ST 303
	Bs	2	3 1/2"x .0135"x 15'-2"	ST 303
	Es	1	3 1/2"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	9	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	7	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C5	1	3"x 2"x .37"x 0'-3"	ST 416
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST 299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST 299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST 400
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST 400
	PF-12	2	6 1/2"x 1/2"x 1'-0"	ST 416
	PF-13	2	1"x 1/4"x 1'-0"	ST 416
	PF-14	2	3"x 1/4"x 0'-7"	ST 416
	PF-15	2	1 1/2"x 1/2"x 0'-2"	ST 416
	PF-16	2	8 1/4"x 1/2"x 0'-2"	ST 416
	PF-17	2	2"x 1/4"x 3 1/2"	ST 416
	PF-18	3	2"x 1/4"x 1'-1 3/8"	ST 416
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 204 & CD 229, ie., (1C)

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
SEE SHEET FP-F8-2 OR FP-F8-3 FOR DETAILS CALLED BUT NOT SHOWN ON THIS SHEET.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FILLET.
STEEL DECK NOT SHOWN IN DETAILS FOR CLARITY.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

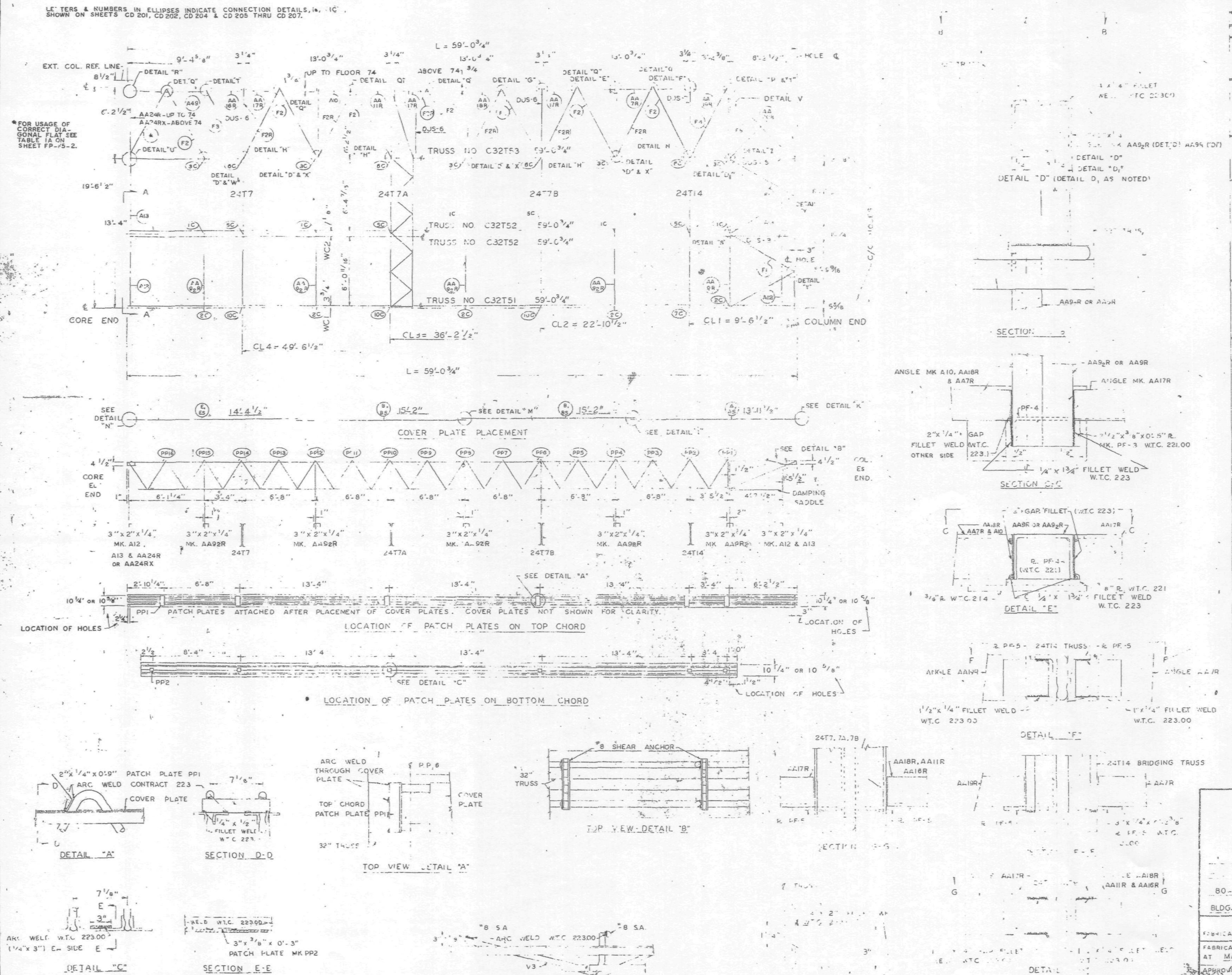
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 44 (SOUTH)

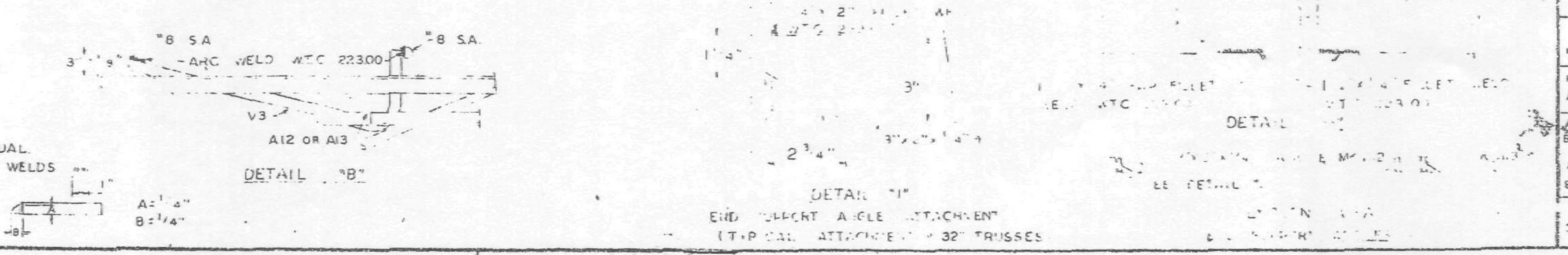
PANEL FR8 19'-6" x 59'-0 3/4"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-63	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: gdc DATE APR. 7, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE APR. 7, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO. / CARL WEBER		FABRICATION CONT. NO. W.T.C 221	SHEET NO. FP-FR8



NOTE: 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼" x 2" FILLET WELDS
3. SEE SHEET FP-F5-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.



REQUIRED MATERIAL				REF DRWG
MATERIAL	MK	[illegible]	SIZE	
[illegible]	T51	1	C32T51 - 59'-0¾"	ST 251
	T52	[illegible]	C32T52 - 59'-0¾"	ST 252
	T53		C32T53 - 59'-0¾"	ST 253
BRIDGING TRUSSES	T7	1	24T7 - [illegible]	ST 207
	T7A		24T7A - [illegible]	ST 207A
	T7B		24T7B - 19' [illegible]	ST 207B
	T14	1	24T14 - 19' 6	ST 214
3"x2"x¼" ANGLES			[illegible]	[illegible]
	A13		[illegible] x¼ x6'-[illegible]	[illegible]
	[illegible]	2	[illegible]	[illegible]
	A49	1	3"x2"x¼"x6'-0 11/16"	ST 413
ANGLE ASSEMBLY **(AA24R IS REPLACED BY AA24RX ABOVE FLOOR 74)	AA7R	1	SEE REF. DRWG.	ST 406
	AA9R	1	SEE REF. DRWG.	ST 406
	AA92R	4	SEE REF. DRWG.	ST 406
	AA11R		SEE REF. DRWG.	ST 406
	AA18R		SEE REF. DRWG.	ST 406
	AA17R	3	SEE REF. DRWG.	ST 406
	AA16R	1	SEE REF. DRWG.	ST 400
	AA19R	1	SEE REF. DRWG.	ST 400
	**AA24R	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F1	2	1½"x5/8"x[illegible]-8"	ST 402
	F2 / F2R	7 / 6*	1½"x5/8"x6'-10½"	ST 402
	F3	1	1½"x5/8"x6'-11¼"	ST 402
	F4	1	1½"x5/8"x7'-0"	ST 402
	F5	1	1½"x5/8"x4'-4"	ST 402
PATCH PLATES	PP1	6	2"x¼"x0'-9"	ST 400
	PP2	5	3"x3/16"x0'-3"	ST 400
COVER PLATES	A	1	9"x.0135"x15'-11½"	ST 303
	B	2	9"x.0135"x15'-2"	ST 303
	E	1	9"x.0135"x14'-4½"	ST 303
	[illegible]	1	3½"x.0135"x13'-11½"	ST 303
	[illegible]	2	3½"x.0135"x15'-2"	ST 303
	[illegible]	1	3½"x.0135"x14'-4½"	ST 303
ANGLE CLIPS	C2	4	2½"x1½"x¼"x0'-6"	ST 400
	C1	12	2"x1½"x¼"x0'-6"	ST 400
DAMPING SADDLE	[illegible]-3		3½"x3½"x3/8"x3'-6 7/8"	ST 299
	[illegible]-5	1	3½"x3½"x3/8"x[illegible]-6 7/8"	ST 299
	[illegible]-6	[illegible]	3½"x3½"x3/8"x4'-4 7/8"	ST 299
	[illegible]-7	1	3½"x3½"x3/8"x4'-4 7/8"	ST 299
MISC. PLATES	PF-1	2	1½"x½"x0'-4"	ST 400
	PF-3	5	3½"x3/8"x0'-[illegible]"	ST 400
FLAT ASSEMBLY	F8AR	*	SEE REF. DRWG.	ST 415
CONN. ANGLE	C5	1	3"x2"x.37"x0'-3"	ST 413
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400
CORNER ANGLE ASSEMBLY	AA20R	1	SEE REF. DRWG.	ST 405

NO	DATE	REVISION	BY

REF. DRWGS

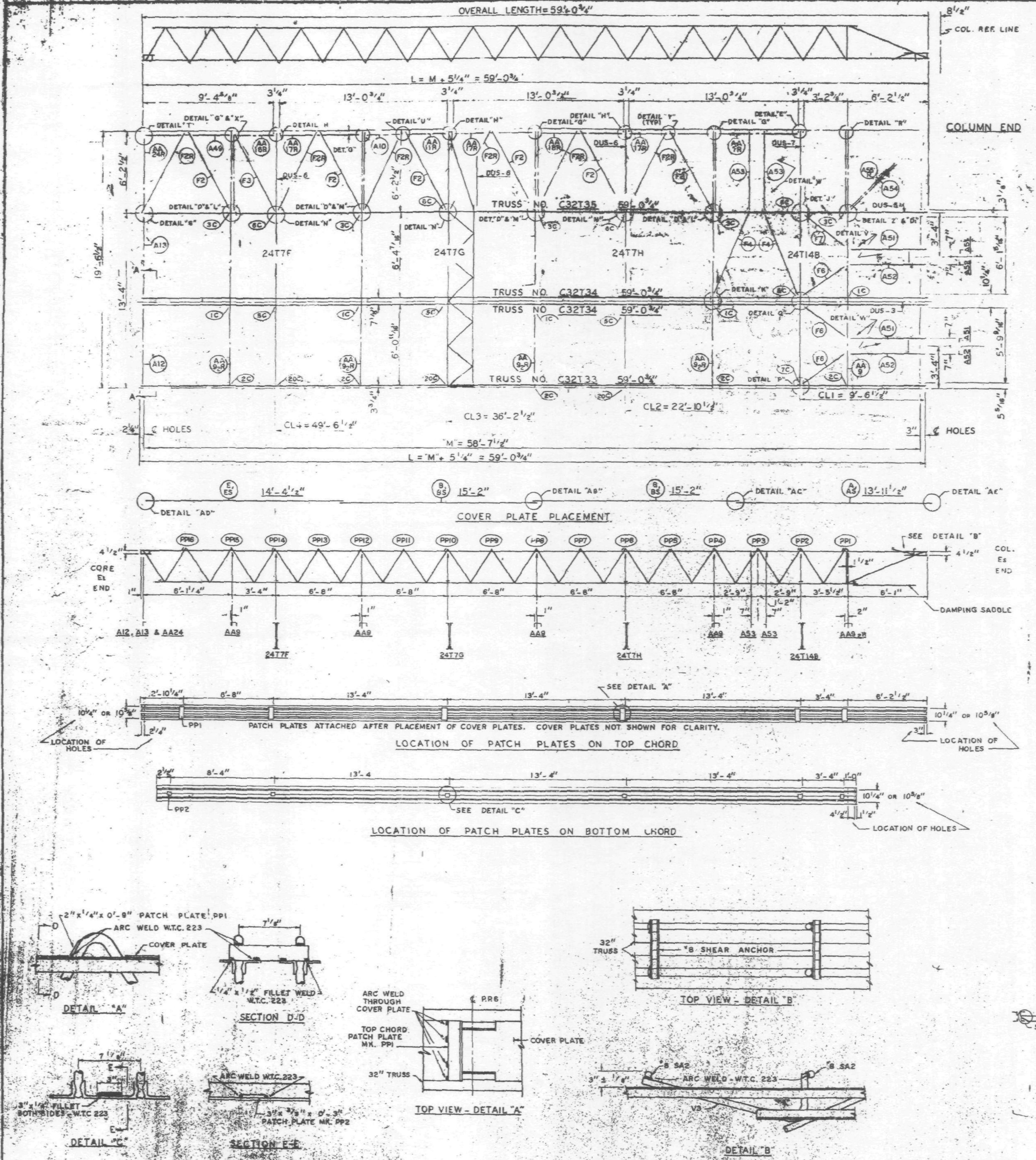
		SA-124	1-6-69
7-AB-46	11-25-68	7-AB4-14,14.1	10-15-68
7-AB-47	11-25-68	7-AB4-15,16	7-22-68
7-AB-48	11-25-68	7-AB4-21	7-22-68
7-A92-[illegible]	7-22-68	7-AB4-23-25	7-22-68
7-AB[illegible]-9	7-22-68	7-AB4-29	1-3-68
7-AB[illegible]-70	11-25-68	7-AB4-39-41,43	7-22-68
7-AB3-76	11-25-68	7-AB4-42	10-15-68
7-AB4-3	10-15-68	7-AB4-4[illegible]	12-20-68

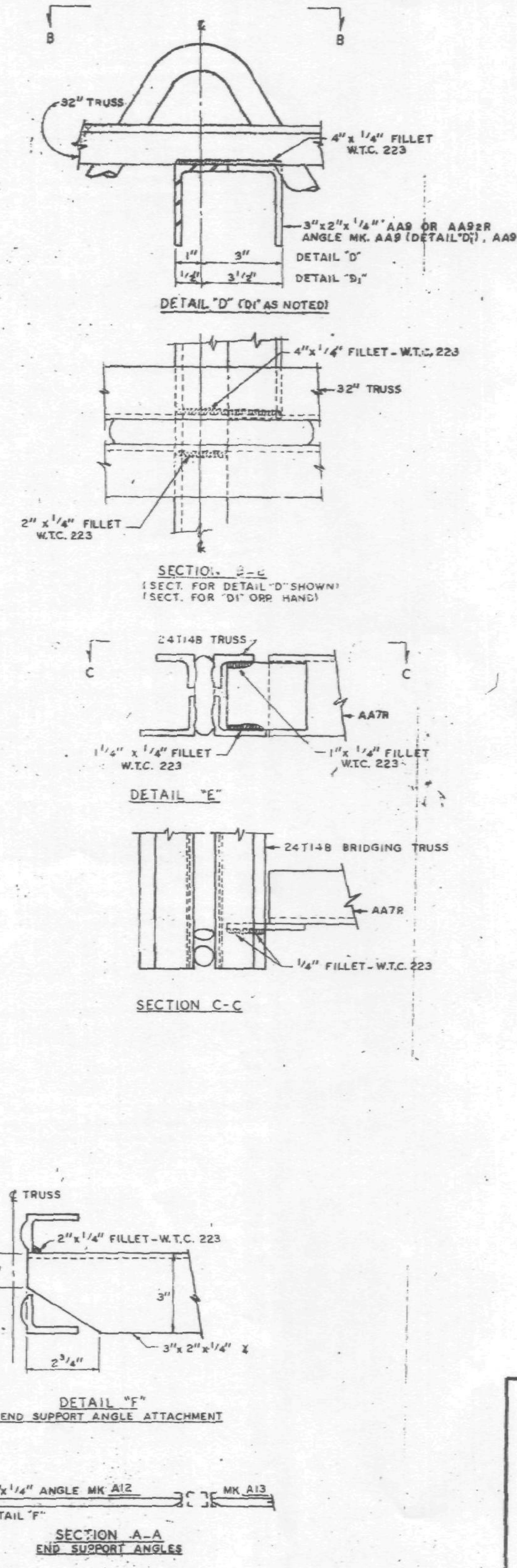
FLOOR STEEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

[illegible] 79 (NORTH & SOUTH) 45-49 (SOUTH ONLY)
80-83 (NORTH ONLY) FR5 [illegible]'-6" x 59'-0¾"
BLDG. B FLOORS 79 (EAST & WEST) 45-49 (EAST ONLY) 80-83 (WEST ONLY)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-76	PLATE
APPROVED FOR FABRICATION FOR PONYA BY — DATE	DRAWN BY [illegible] DATE APRIL 9, 1969	
APPROVED FOR FABRICATION FOR FABRICATOR BY — DATE	CHECKED BY: T.M. CHURA DATE APRIL 9, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-FR5





REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T33	1	C32T33 x 59'-0 3/4"	ST 233
	T34	2	C32T34 x 59'-0 3/4"	ST 234
(1)	T35	1	C32T35 x 59'-0 3/4"	ST 235
BRIDGING TRUSSES	T7F	1	24T7F x 19'-6"	BT 207F
	T7G	1	24T7G x 19'-6"	BT 207G
	T7H	1	24T7H x 19'-6"	BT 207H
	T14B	1	24T14B x 19'-6"	BT 214B
3"x2"x1/4" ANGLES	A10	1	3"x2"x1/4"x2'-7 15/16"	ST 404
	A12	1	3"x2"x1/4"x5'-11 11/16"	ST 404
	A13	1	3"x2"x1/4"x6'-3 7/16"	ST 404
	A49	1	3"x2"x1/4"x6'-0 11/16"	ST 413
	A51	2	3"x2"x1/4"x6'-0"	ST 413
	A52	2	3"x2"x1/4"x6'-0"	ST 413
	A53	2	3"x2"x1/4"x5'-10"	ST 413
	A54	1	3"x2"x1/4"x4'-0 1/2"	ST 413
	A55R	1	3"x2"x1/4"x4'-3"	ST 413
ANGLE ASSEMBLY	AA7R	1	SEE REF. DRWG.	ST 406
	AA9	1	SEE REF. DRWG.	ST 404
	AA9₂R	4	SEE REF. DRWG.	ST 406
	AA11R	1	SEE REF. DRWG.	ST 406
	AA16R	1	SEE REF. DRWG.	ST 406
	AA17R	3	SEE REF. DRWG.	ST 406
	AA18R	1	SEE REF. DRWG.	ST 406
	AA24R	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F2	6	1 1/2" x 5/8" x 6'-10 1/2"	ST 402
	F2R	6	1 1/2" x 5/8" x 6'-10 1/2"	ST 402
	F3	1	1 1/2" x 5/8" x 6'-11 1/4"	ST 402
	F4	2	1 1/2" x 5/8" x 7'-0"	ST 402
	F6	3	1 1/2" x 5/8" x 4'-7"	ST 415
	F7	1	1 1/2" x 5/8" x 4'-9 3/4"	ST 415
PATCH PLATES	PP1	6	2"x1/4"x0'-9"	ST 400
	PP2	6	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	1	9" x .0135" x 13'-11 1/2"	ST 303
	B	2	9" x .0135" x 15'-2"	ST 303
	E	1	9" x .0135" x 14'-4 1/2"	ST 303
	As	1	3 1/2" x .0135" x 13'-11 1/2"	ST 303
	Bs	2	3 1/2" x .0135" x 15'-2"	ST 303
	Es	1	3 1/2" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	9	2"x1 1/2"x1/4"x0'-6"	ST 400
	C2	7	2 1/2"x1 1/2"x1/4"x0'-6"	ST 400
	C5	1	3"x2"x.37"x0'-3"	ST 416
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 298
	DUS-5	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 299
	DUS-6	3	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST 1299
	DUS-7	1	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST 299
MISC. PLATES	PF-1	2	1 1/2"x1/2"x0'-4"	ST 400
	PF-3	5	3 1/2"x3/8"x0'-5"	ST 400
	PF-12	2	6 1/2"x1/2"x1'-0"	ST 416
	PF-13	2	1"x1/4"x1'-0"	ST 416
	PF-14	2	3"x1/4"x0'-7"	ST 416
	PF-15	2	1 1/2"x1/2"x0'-2"	ST 416
	PF-16	2	8 1/4"x1/2"x0'-2"	ST 416
	PF-17	2	2"x1/4"x3 1/2"	ST 416
	PF-18	3	2"x1/4"x1'-1 3/8"	ST 416
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 204 & CD 229, ie. (1C)

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
SEE SHEET FP-FB OR FP-FB-3 FOR DETAILS CALLED BUT NOT SHOWN ON THIS SHEET.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1/4" FILLET.
STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	8-4-69	AS NOTED	G.M.C.

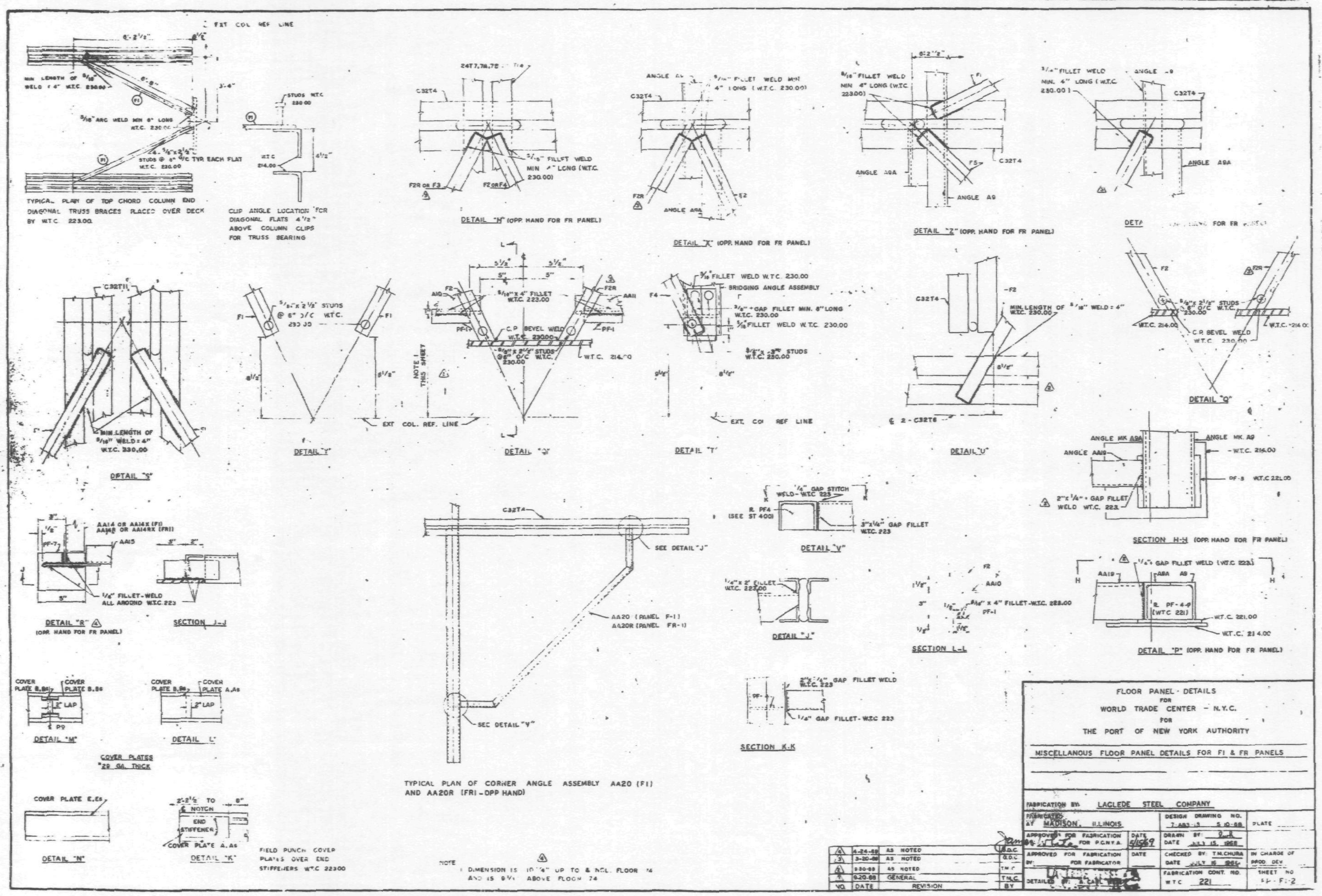
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (SOUTH)

PANEL FR8 19'-6" x 59'-0 3/4"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-63	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. James White	DATE 8/11/69	DRAWN BY: gdc DATE APR. 7, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE APRIL 7, 1969	IN CHARGE OF PROD. DEV.
[redacted] DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-FR8



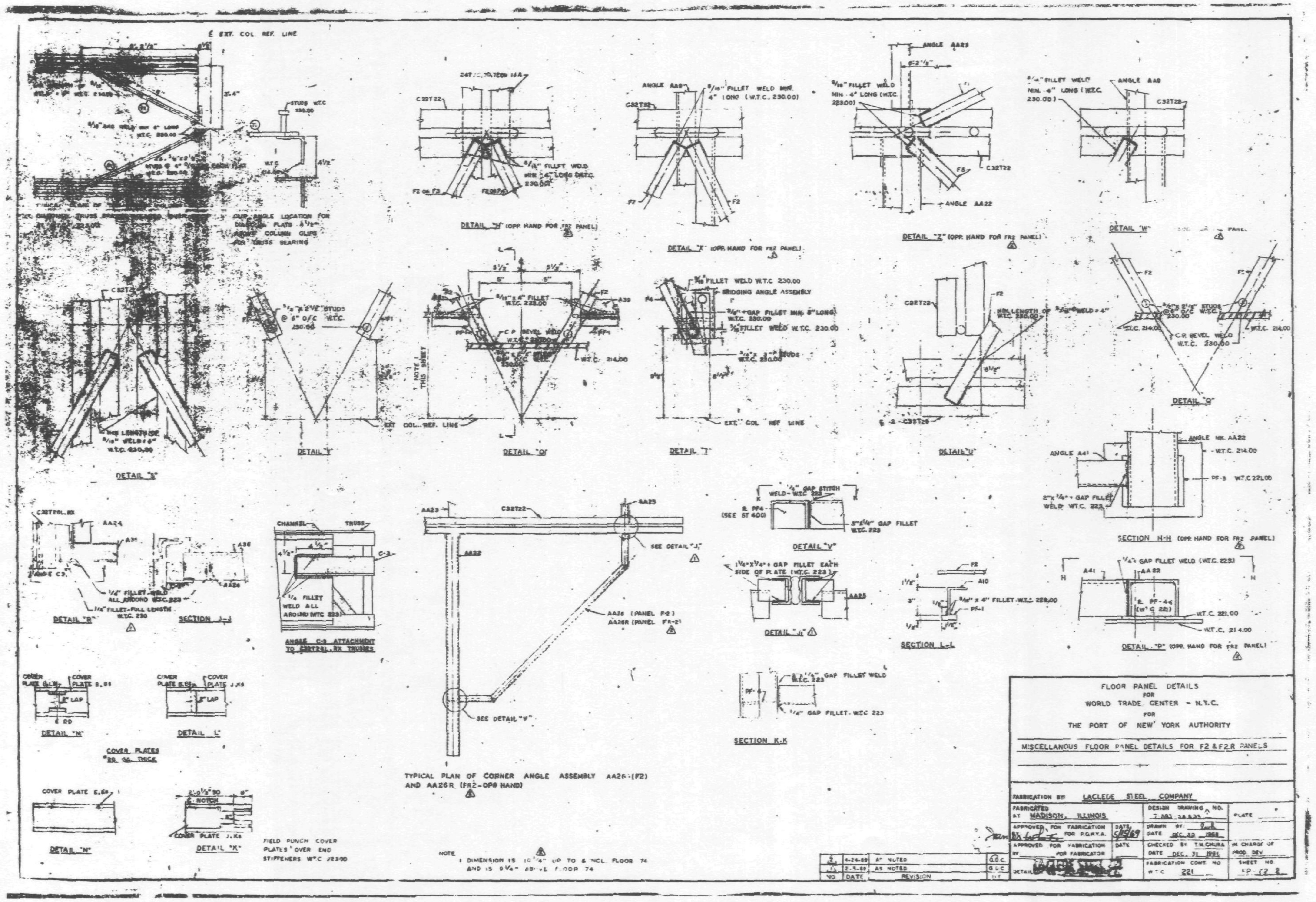
FLOOR PANEL · DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR FI & FR PANELS

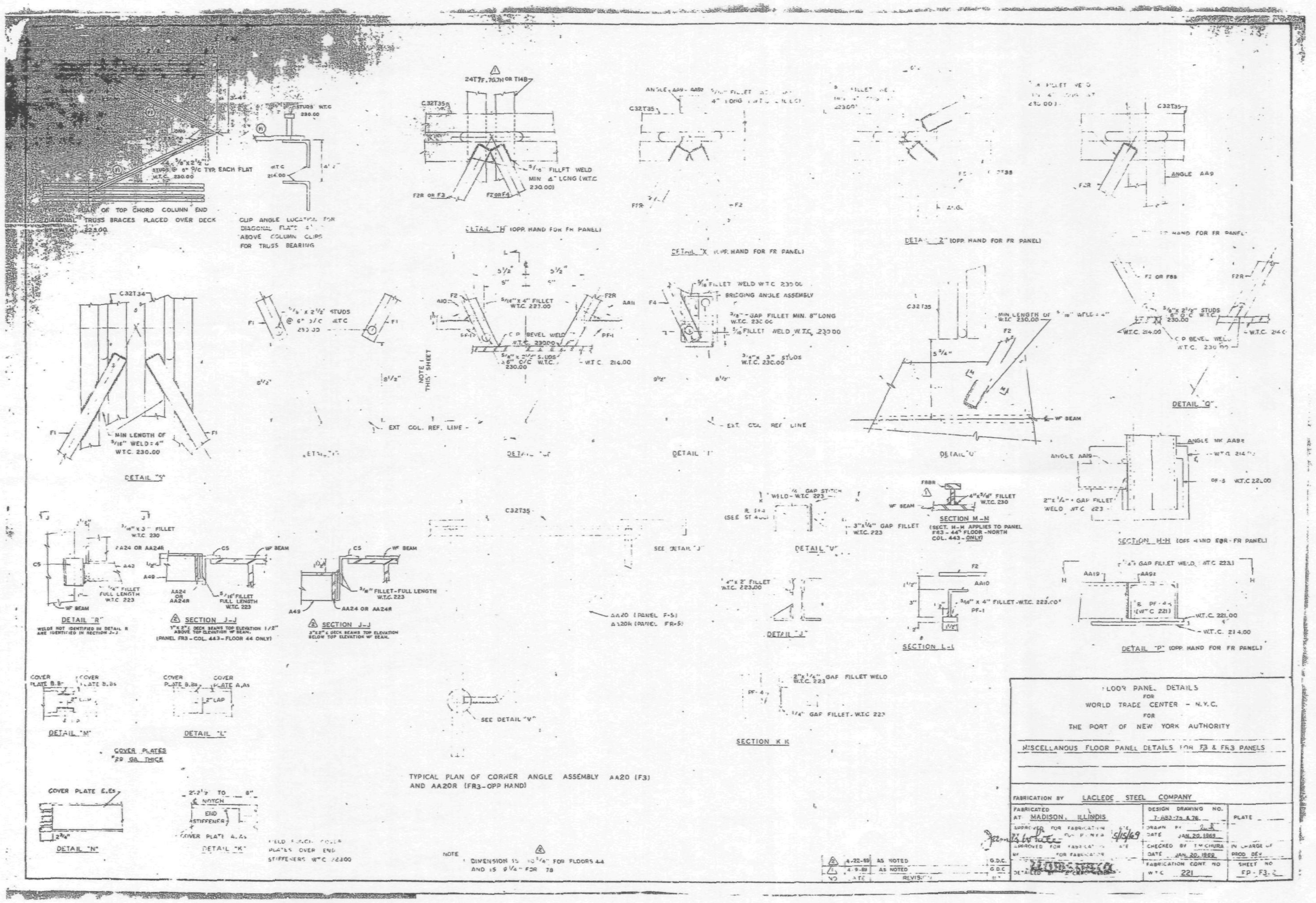
FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

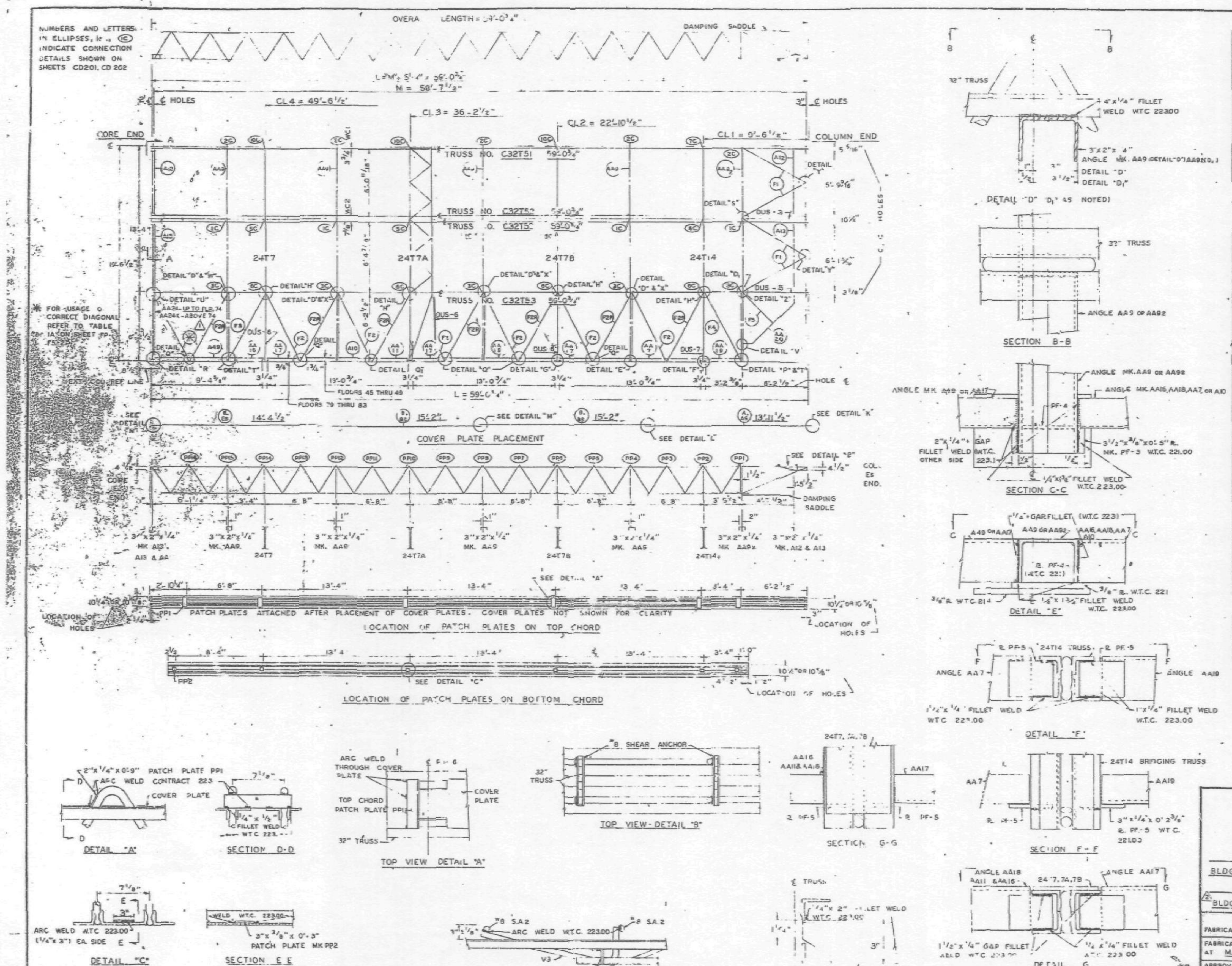
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 5/15/69	DESIGN DRAWING NO. 7-A83-13 5-10-68 / DRAWN BY: [illegible] DATE JULY 15, 1968	PLATE
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FF-F-2

NO.	DATE	REVISION	BY
4	4-24-69	AS NOTED	D.D.C.
3	3-20-69	AS NOTED	D.D.C.
2	9-30-68	AS NOTED	T.M.C.
1	9-20-68	GENERAL	T.M.C.

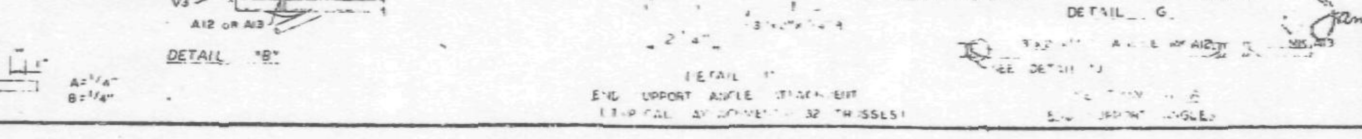


℄ EXT. COL. REF. LINE
DETAIL "Y" (OPP. HAND FOR FR2 PANEL)
DETAIL "X" (OPP. HAND FOR FR2 PANEL)
DETAIL "Z" (OPP. HAND FOR FR2 PANEL)
DETAIL "W"
DETAIL "S"
DETAIL "T"
DETAIL "O"
DETAIL "J"
DETAIL "U"
DETAIL "Q"
SECTION H-H (OPP. HAND FOR FR2 PANEL)
DETAIL "R"
SECTION J-J
ANGLE C-3 ATTACHMENT TO C32T22L,RX TRUSSES
DETAIL "V"
DETAIL "4"
SECTION L-L
DETAIL "P" (OPP. HAND FOR FR2 PANEL)
SECTION K-K
DETAIL "M"
DETAIL "L"
COVER PLATES
DETAIL "N"
DETAIL "K"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
TYPICAL PLAN OF CORNER ANGLE ASSEMBLY AA26-(F2) AND AA26R (FR2-OPP HAND)
NOTE
1 DIMENSION IS 10 1/4" UP TO & INCL. FLOOR 74 AND IS 9 3/4" ABOVE FLOOR 74
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
MISCELLANOUS FLOOR PANEL DETAILS FOR F2 & F2.R PANELS
FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. T-AB3 3A & 35
PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
DRAWN BY
DATE DEC. 30 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR
CHECKED BY T.M.CHURA
DATE DEC. 31 1968
IN CHARGE OF PROD. DEV.
DETAIL
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP-F2 2
2 4-24-69 AS NOTED
1 2-5-69 AS NOTED
NO. DATE REVISION BY


FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
MISCELLANOUS FLOOR PANEL DETAILS FOR F3 & FR3 PANELS
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-75 & 76
PLATE
DATE JAN. 20, 1969
CHECKED BY T.M.CIHURA
DATE JAN. 20, 1969
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP-F3.2
4-22-69 AS NOTED G.D.C.
4-9-69 AS NOTED G.D.C.
5/15/69
DETAIL "H" (OPP. HAND FOR FR PANEL)
DETAIL "Q"
SECTION M-M (OPP. HAND FOR FR PANEL)
DETAIL "R"
SECTION J-J
DETAIL "M"
DETAIL "L"
COVER PLATES
DETAIL "N"
DETAIL "K"
TYPICAL PLAN OF CORNER ANGLE ASSEMBLY AA20 (F3) AND AA20R (FR3-OPP HAND)
SECTION M-N
SECTION L-L
DETAIL "P" (OPP. HAND FOR FR PANEL)
SECTION K-K
DETAIL "J"



NOTE. - ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1 FILLET WELDS
3. SEE SHEET FP-F5-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T51	1	C32T51 - 59'-0 3/4"	ST 251
	T52	2	C32T52 - 59'-0 3/4"	ST 252
	T53	1	C32T53 - 59'-0 3/4"	ST 253
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	ST 207
	T7A	1	24T7A - 19'-6"	ST 207A
	T7B	1	24T7B - 19'-6"	ST 207B
	T14	1	24T14 - 19'-6"	ST 214
3"x 2"x 1/4" ANGLES	A1	1	3"x 2"x 1/4"x 2'-7 15/16"	ST 404
	A12	2	3"x 2"x 1/4"x 5'-11"	ST 404
	A13	2	3"x 2"x 1/4"x 6'-3"	ST 404
	A4	1	3"x 2"x 1/4"x 1'-0"	ST 413
ANGLE ASSEMBLY ** (AA24 IS REPLACED BY AA24X ABOVE FLR. 74)	AA7	1	SEE REF. DRWG.	ST 404
	AA9	4	SEE REF. DRWG.	ST 404
	[illegible]	1	SEE REF. DRWG.	ST 404
	[illegible]	1	SEE REF. DRWG.	ST 404
	[illegible]	[illegible]	[illegible] DRWG.	ST 404
	[illegible]	[illegible]	DRWG.	ST 404
	[illegible]	[illegible]	[illegible]	ST 404
	[illegible]	1	SEE REF. DRWG.	ST 404
	** AA24	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
	F2 / F2R	6 * / 1	1 1/2" x 5/8" x 6'-10 1/2"	ST 402
	F3	1	1 1/2" x 5/8" x 6'-11 1/4"	ST 402
	F4	1	1 1/2" x 5/8" x 7'-0	ST 402
	F5	1	1 1/2" x 5/8 x 4'-4"	ST 402
PATCH PLATES	PP1	6	2" x 1/4" x 0'-9"	ST 400
	PP2	5	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	1	9" x 0135" x 13'-11 1/2	ST 303
	B	2	9" x 0135" x 15'-2"	ST 303
	E	1	9" x 0135" x 14'-4 1/2"	ST 303
	As	1	3 1/2" x 0135" x 13'-11 1/2"	ST 303
	Bs	2	3 1/2" x 0135" x 15'-2	ST 303
	Es	1	3 1/2" x 0135" x 14'-4 1/2	ST 303
DIAGONAL FLAT	F8A	*	SEE REF. DRWG	ST 415
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-5	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 299
	DUS-6	3	3 1/2" x 3 1/2" x 3/8" x 4'-4 7/8"	ST 299
	DUS-7	1	3 1/2" x 3 1/2" x 3/8" x 4'-4 7/8"	ST 298
MISC PLATES	PF-1	2	1 1/2" x 1/2" x 0'-4"	ST 400
	PF-3	5	3 1/2" x 3/8" x 0' 3"	ST 400
CONN ANGLE	C5	1	3 x 2" x 3/8" x 0-3	ST 413
ANGLE CLIP ⚠1	C1	12	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 0'-6"	ST 400
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF DRWG	ST 405

NO	DATE	REVISION	BY
2	4-24-69	AS NOTED	[illegible]
⚠1	4-9-69	AS NOTED	G.J.C.

REF. DRWG.

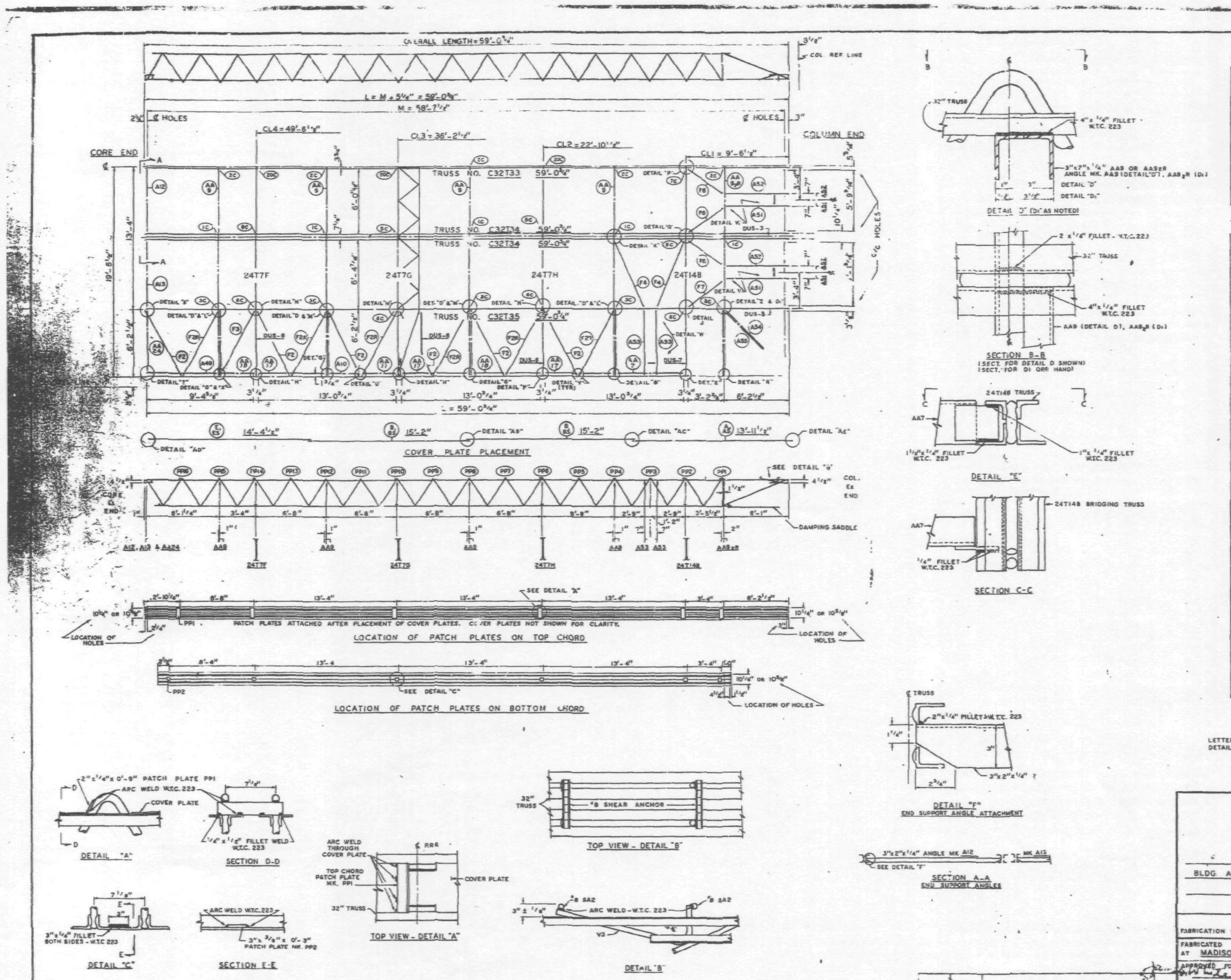
7-AB1-46	11-25-68	SA-124	1-6-69
7-AB1-47	11-25-68	7-AB4-14,14.1	10-15-68
7-AB1-48	11-25-68	7-AB4-15,16	7-22-68
7-AB2-2	7-22-68	7-AB4-21	7-22-68
7-AB2-9	7-22-68	7-AB4-23 25	7-22-68
7-AB3-70	11-25-68	7-AB4-29	1-3-69
7-AB3-75	11-25-68	7-AB4 39-41, 43	7-22-68
7-AB4-3	10-15-68	7-AB4-42	10-15-68
		7-AB4-45	12-20-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46-49 (SOUTH) 79-83 (NORTH)
PANEL F5 19' 5 x 59'-0 3/4"
⚠2 BLDG B FLOORS 45 (EAST & WEST) 46-49 (EAST) 79-83 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-75	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. BY [signature]	DATE 5/15/69	DRAWN BY [initials] DATE JAN 17, 1969	
APPROVED FOR FABRICATION FOR FABRICATOR BY	DATE	CHECKED BY T.M. CHURA DATE JAN 17, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F5



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES (2)	T33	1	C32T33 x 58'-0 3/4"	ST 233
	T34	2	C32T34 x 58'-0 3/4"	ST 234
	T35	1	C32T35 x 59'-0 3/4"	ST 235
BRIDGING TRUSSES	T7F	1	24T7F x 19'-6"	BT 207F
	T7G	1	24T7G x 19'-6"	BT 207G
	T7H	1	24T7H x 19'-6"	BT 207H
	T14B	1	24T14B x 19'-6"	BT 214B
"x 1/4" ANGLES	A10	1	3"x 2"x 1/4"x 2'-7 5/16"	ST 404
	A12	1	3"x 2"x 1/4"x 5'-11 11/16"	ST 404
	A13	1	3"x 2"x 1/4"x 6'-3 7/16"	ST 404
	A49	1	3"x 2"x 1/4"x 6'-0 11/16"	ST 413
	A51	2	3"x 2"x 1/4"x 6'-0"	ST 413
	A52	[illegible]	"x 2"x 1/4"x 6'-0"	ST 413
	A53	2	3"x 2"x 1/4"x 5'-10"	ST 413
	[illegible]	[illegible]	"x 2"x 1/4"x 4'-0 1/2"	ST 413
	[illegible]	[illegible]	"x 2"x 1/4"x 4'-3"	ST 413
ANGLE ASSEMBLY	[illegible]	[illegible]	[illegible] DRWG.	ST 404
	[illegible]	4	SEE REF. DRWG.	ST 404
	AA9 2R	1	SEE REF. DRWG.	ST 404
	AA11	1	SEE REF. DRWG.	ST 404
	AA16	1	SEE REF. DRWG.	ST 404
	AA17	3	SEE REF. DRWG.	ST 404
	AA18	1	SEE REF. DRWG.	ST 404
	AA24	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F2	6	1 1/2" x 5/8" x 6'-10 1/2"	ST 402
	F2R	6	1 1/2" x 5/8" x 6'-10 1/2"	ST 402
	F3	1	1 1/2" x 5/8" x 6'-11 1/4"	ST 402
	F4	2	1 1/2" x 5/8" x 7'-0"	ST 402
	F6	3	1 1/2" x 5/8" x 4'-7"	ST 415
	F7	1	1 1/2" x 5/8" x 4'-9 3/4"	ST 415
PATCH PLATES	PP1	6	2" x 1/4" x 0'-9"	ST 400
	PP2	6	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	1	9" x .0135" x 13'-11 1/2"	ST 303
	B	2	9" x .0135" x 15'-2"	ST 303
	E	1	9" x .0135" x 14'-4 1/2"	ST 303
	As	1	3 1/2" x .0135" x 13'-11 1/2"	ST 303
	Bs	2	3 1/2" x .0135" x 15'-2"	ST 303
	Es	1	3 1/2" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS (2)	C1	12	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C5	1	3" x 2" x .37" x 0'-3"	ST 418
DAMPING SADDLE	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 298
	DUS-5	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 3/8"	ST 299
	DUS-6	3	3 1/2" x 3 1/2" x 3/8" x 4'-4 3/8"	ST 299
	DUS-7	1	3 1/2" x 3 1/2" x 3/8" x 4'-4 3/8"	ST 299
MISC. PLATES	PF-1	2	1 1/2" x 1/2" x 0'-4"	ST 400
	PF-3	5	3 1/2" x 3/8" x 0'-5"	ST 400
	PF-12	2	6 1/2" x 1/2" x 1'-0"	ST 416
	PF-13	2	" x 1/4" x 1'-0"	ST 416
	PF-14	2	3" x 1/4" x 0'-7"	ST 416
	PF-15	2	1 1/2" x 1/2" x 0'-2"	ST 416
	PF-16	2	8 1/4" x 1/2" x 0'-2"	ST 416
	PF-17	2	2" x 1/4" x 3 1/2"	ST 416
	PF-18	3	2" x 1/4" x 1'-1 3/8"	ST 416
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 204 & CD 229, i.e. (1C)

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
SEE SHEET FP-F8-2 OR FP-F8-3 FOR DETAILS CALLED BUT NOT SHOWN ON THIS SHEET.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FILLET.
STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

A = 4"
B = 1/4"

NO	DATE	REVISION	BY
2	4-23-69	AS NOTED	G.D.C.
1	4-10-69	GENERAL	G.D.C.

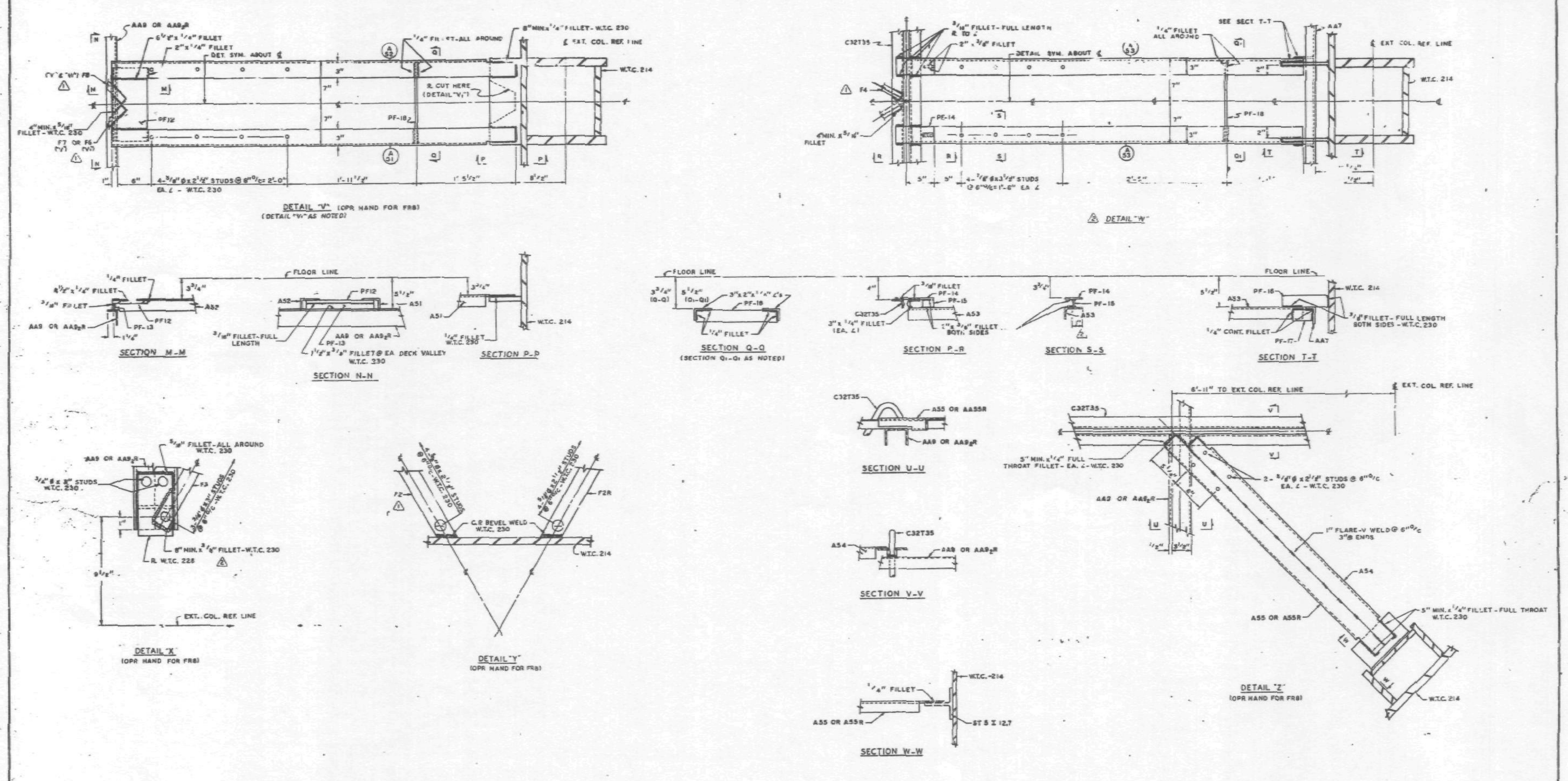
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

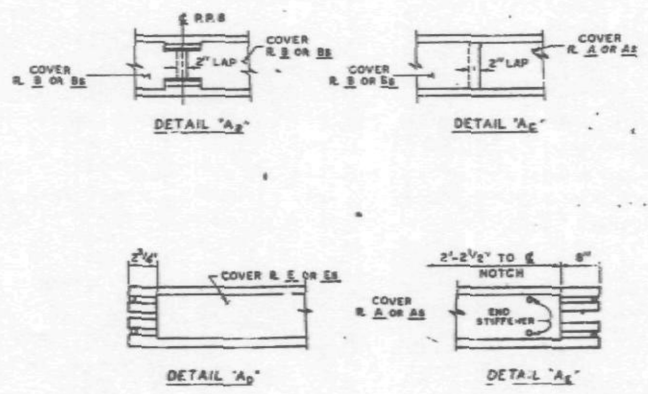
BLDG A FLOORS 44 (SOUTH)

PANEL F8 19'-6" x 59'-0 3/4"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-62
PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 5/15/69
DRAWN BY gdc DATE FEB. 7, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE FEB. 7, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY: A CARL WEBER
FABRICATION CONT NO. W.T.C. 221
SHEET NO. FP-F8





ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS OTHERWISE NOTED ALL ARC WELDS BY W.T.C. 223.
STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

REF. DRWG.

7-AB3-62	1-20-69	7-AB4-45.1	11-25-68
7-AB3-63	1-20-69	7-AB4-21	1-6-69
SA-124	1-6-69	7-AB4-22	1-6-69
7-AB1-30	1-6-69	7-AB4-22.1	7-22-69
7-AB1-31	1-6-69	7-AB4-23	7-22-69
7-AB1-48	1-6-69	7-AB4-24	10-15-69
7-AB2-16	1-6-69	7-AB4-28	7-22-69
7-AB2-9	1-6-69		
7-AB4-31.1	1-20-69		
7-AB4-34.1	1-20-69		
7-AB4-38.3	1-20-69		

NO.	DATE	REVISION	BY
2	4-22-69	AS NOTED	G.D.C.
1	4-10-69	AS NOTED	G.D.C.

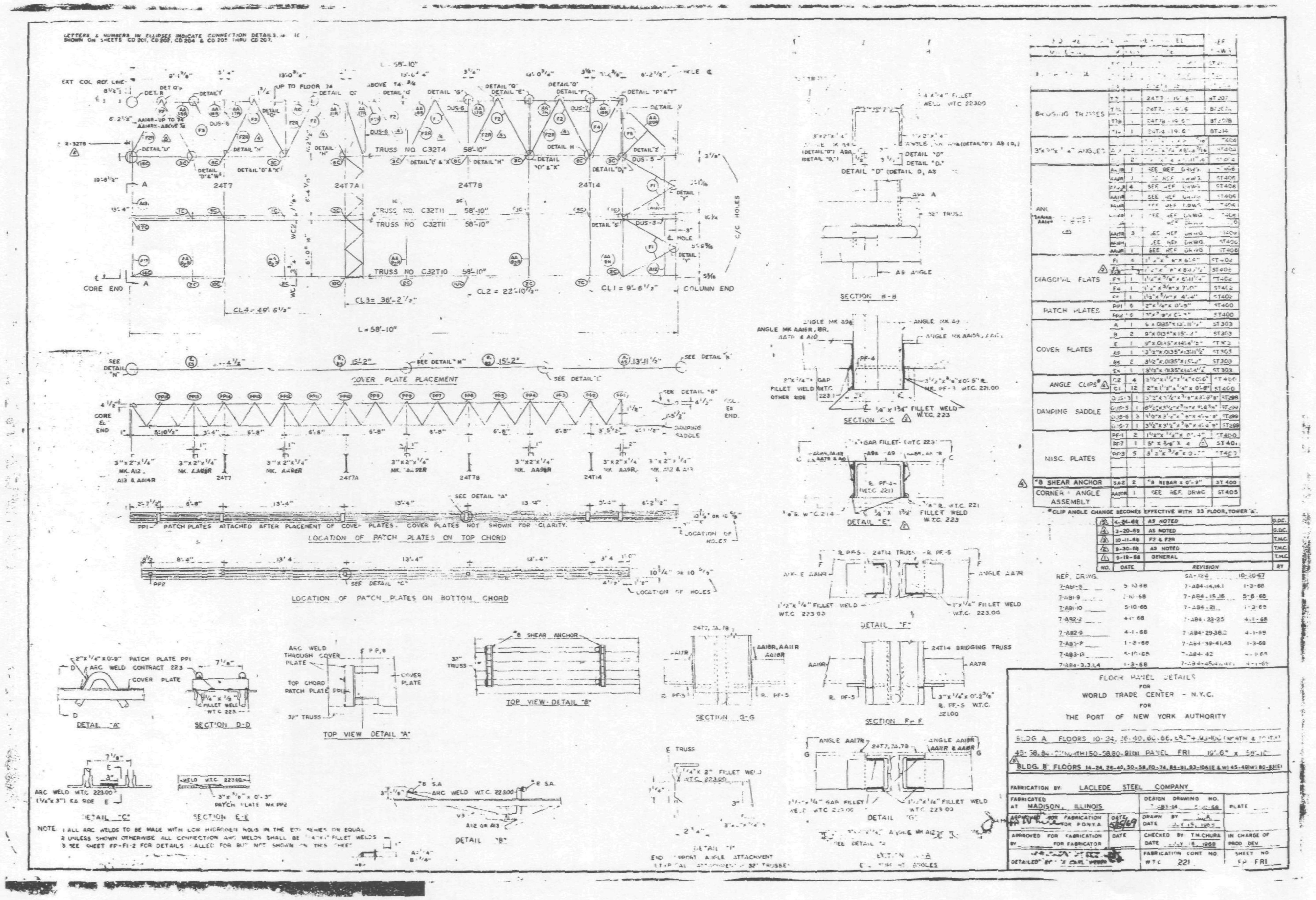
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

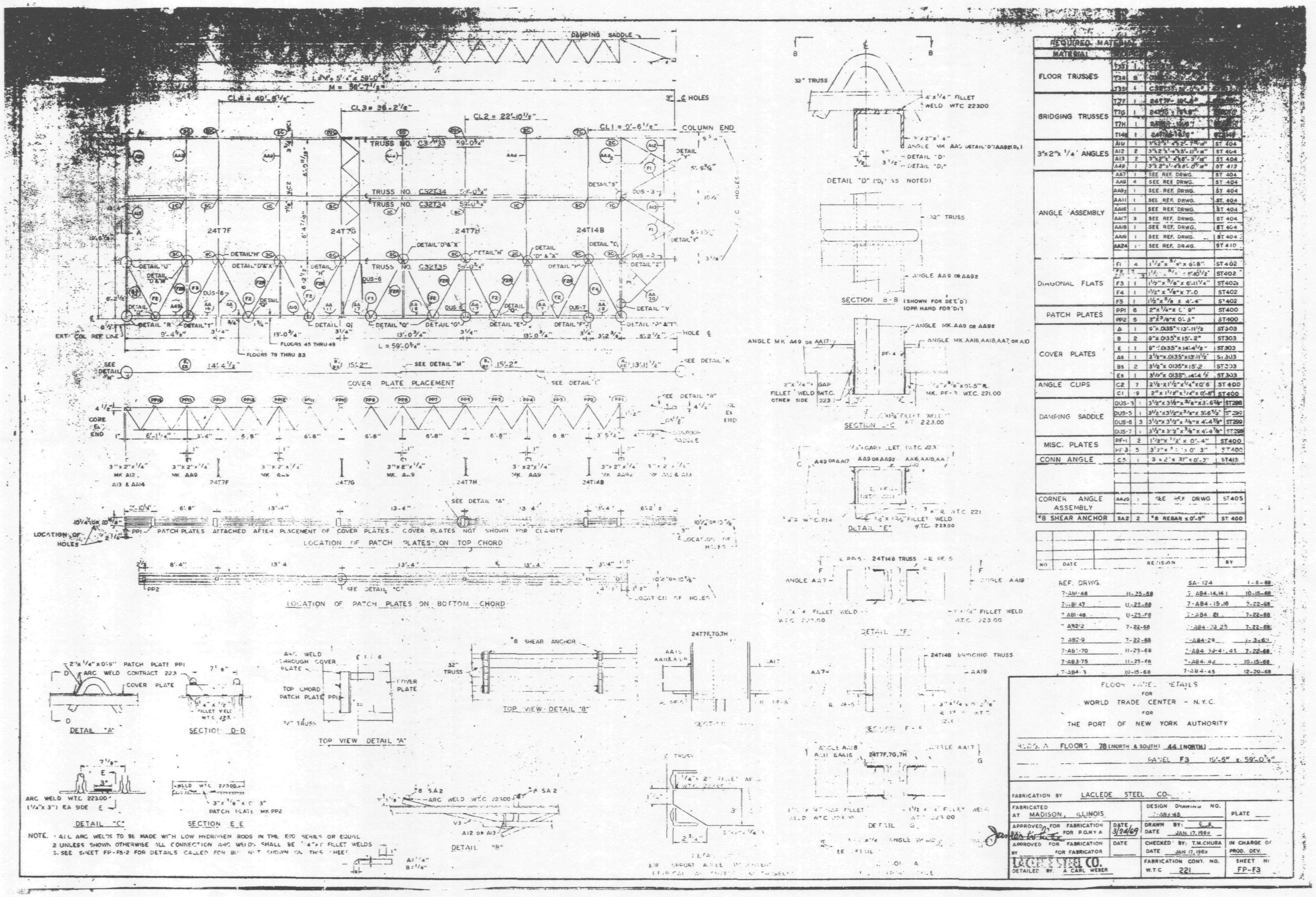
FLOOR PANEL DETAILS FOR PANELS F8 & FR8.

FABRICATION BY LACLEDE STEEL COMPANY

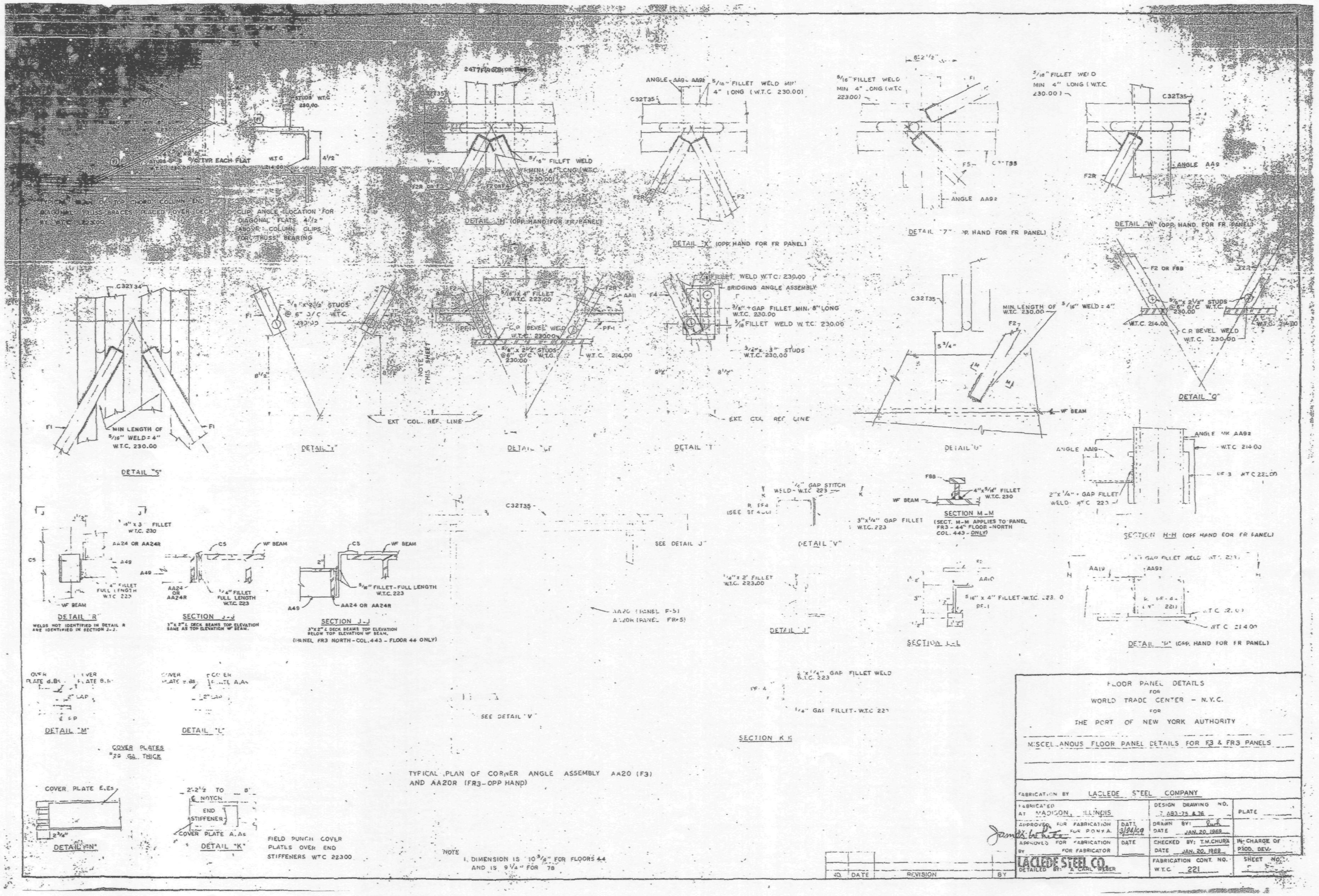
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-62 & 63	PLATE
APPROVED FOR FABRICATION BY White FOR P.O.N.Y.A.	DATE 5/15/69	DRAWN BY: gdc DATE FEB. 7, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.N. CHURA DATE FEB. 7, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: R. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F8 3

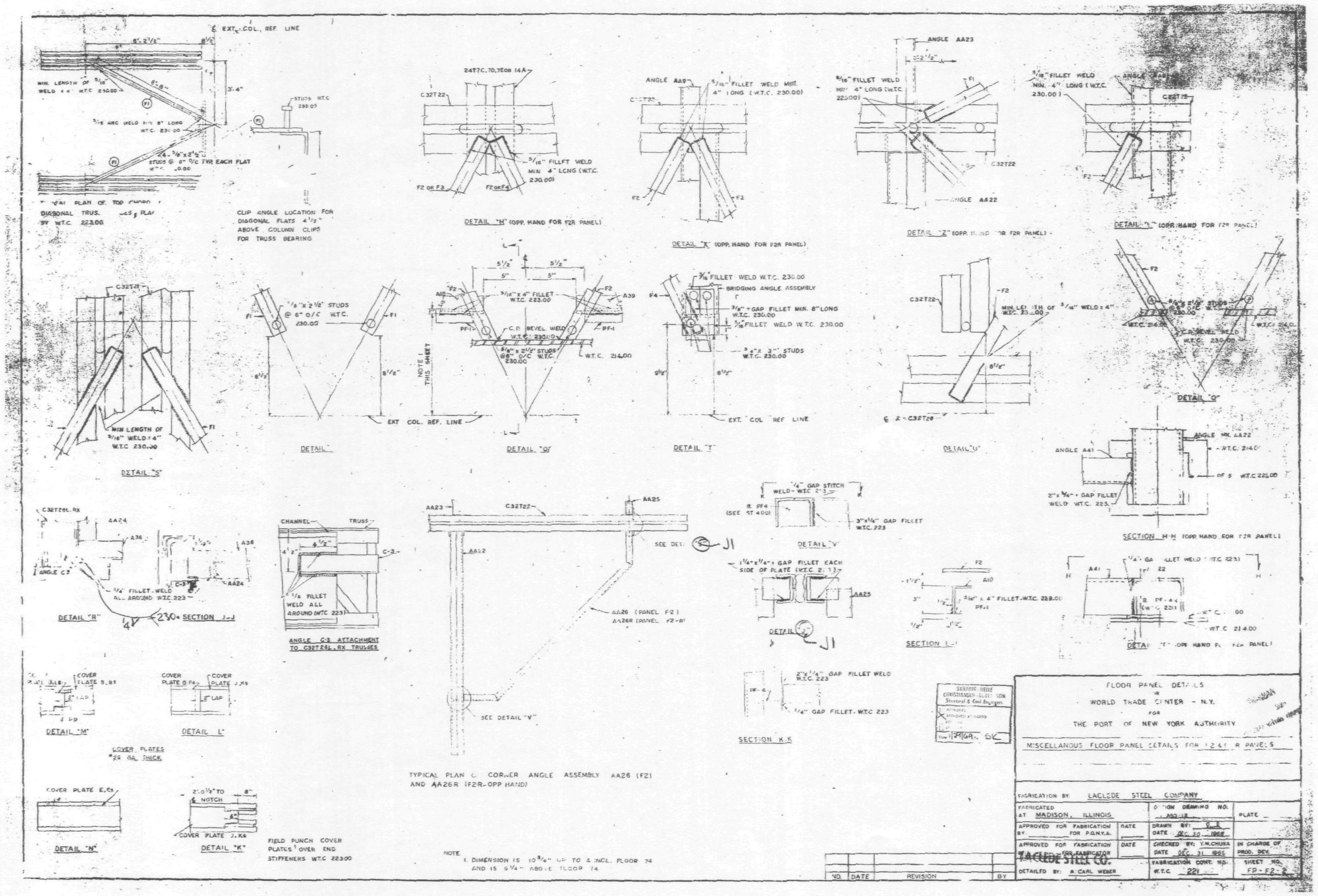
LACLEDE STEEL CO.


LETTERS & NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS
TRUSS NO. C32T4 58'-10"
TRUSS NO. C32T11 58'-10"
TRUSS NO. C32T10 58'-10"
CORE END
COLUMN END
L = 58'-10"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "A"
SECTION D-D
TOP VIEW DETAIL "A"
TOP VIEW - DETAIL "B"
SECTION B-B
SECTION C-C
DETAIL "E"
DETAIL "F"
SECTION G-G
SECTION F-F
DETAIL "G"
DETAIL "C"
SECTION E-E
DETAIL "B"
BRIDGING TRUSSES
DIAGONAL PLATES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
MISC. PLATES
SHEAR ANCHOR
CORNER ANGLE ASSEMBLY
REVISION
REF. DRWG.
7-AB1-9 5-10-68 7-AB4-15,16 5-6-68
7-AB1-10 5-10-68 7-AB4-21 1-3-68
7-AB2-2 4-1-68 7-AB4-23-25 4-1-68
7-AB2-9 4-1-68 7-AB4-29,38 4-1-68
7-AB3-13 5-10-68 7-AB4-42
7-AB4-3,3.1,4 1-3-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
PANEL FRI 19'-6" x 58'-10"
BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-106 (E & W) 45-49 (W) 80-83 (E)
FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
DATE 5/15/69
APPROVED FOR FABRICATION FOR FABRICATOR
DESIGN DRAWING NO.
CHECKED BY T.M. CHURA
DATE JULY 16, 1968
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP FRI
PLATE
IN CHARGE OF PROD. DEV.

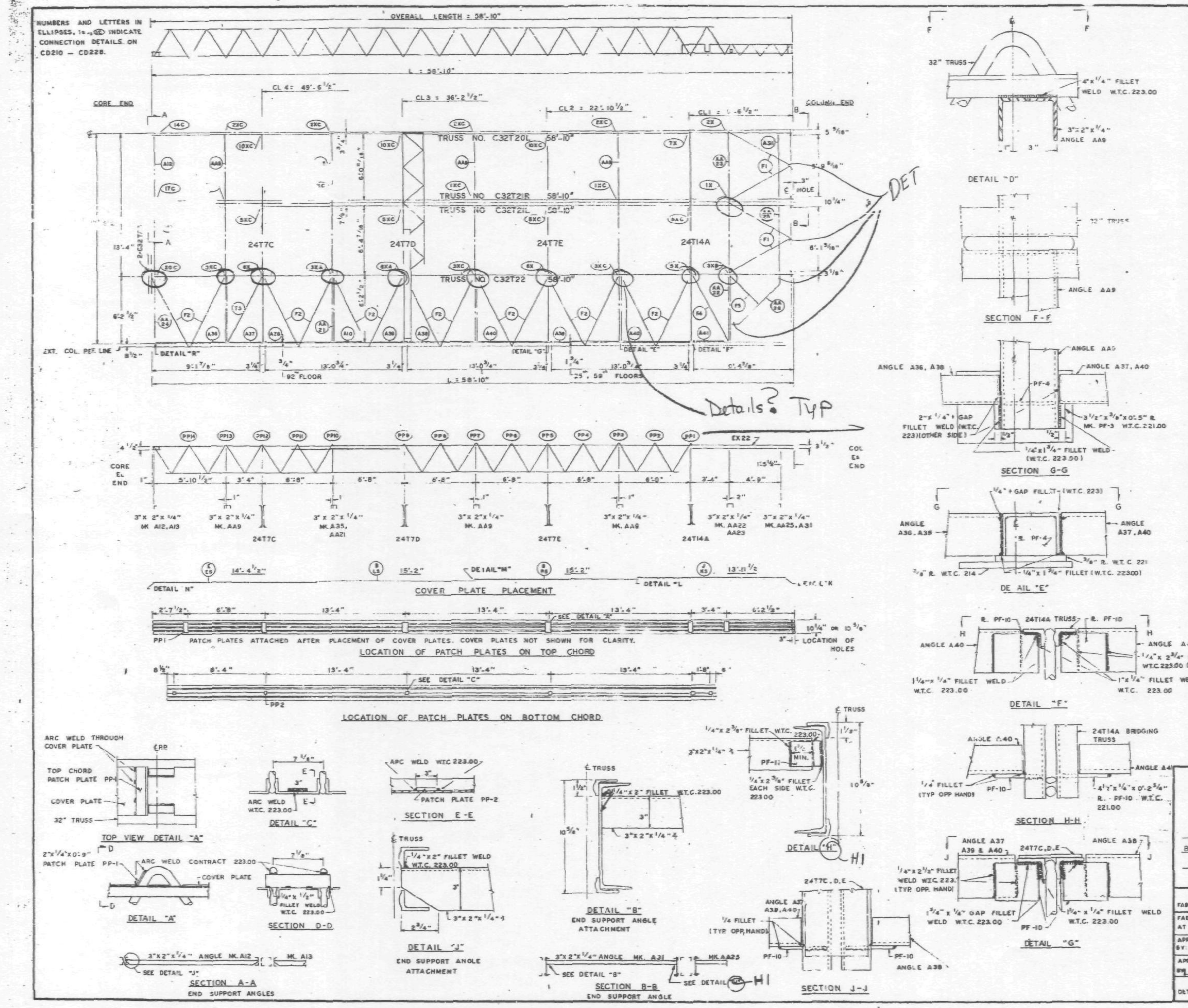


COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "A"
SECTION D-D
TOP VIEW DETAIL "A"
TOP VIEW DETAIL "B"
DETAIL "C"
SECTION E-E
DETAIL "B"
SECTION B-B
SECTION C-C
DETAIL "E"
DETAIL "F"
REQUIRED MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
ANGLE ASSEMBLY
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
MISC. PLATES
CONN ANGLE
CORNER ANGLE ASSEMBLY
#8 SHEAR ANCHOR
REF. DRWG.
NOTE: 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FILLET WELDS
3. SEE SHEET FP-F5-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FABRICATION BY LACLEDE STEEL CO.
FABRICATED AT MADISON, ILLINOIS
CHECKED BY: T.M.CHURA
W.T.C 221
SHEET NO FP-F3


DETAIL "S"
DETAIL "H" (OPP. HAND FOR FR PANEL)
DETAIL "X" (OPP. HAND FOR FR PANEL)
DETAIL "W" (OPP. HAND FOR FR PANEL)
DETAIL "Q"
DETAIL "R"
WELDS NOT IDENTIFIED IN DETAIL R ARE IDENTIFIED IN SECTION J-J.
SECTION J-J
SECTION J-J
(PANEL FR3 NORTH - COL. 443 - FLOOR 44 ONLY)
SECTION M-M
(SECT. M-M APPLIES TO PANEL FR3 - 44th FLOOR - NORTH COL. 443 - ONLY)
SECTION H-H (OPP. HAND FOR FR PANEL)
DETAIL "P" (OPP. HAND FOR FR PANEL)
DETAIL "V"
DETAIL "J"
SECTION K-K
DETAIL "M"
DETAIL "L"
COVER PLATES
DETAIL "N"
DETAIL "K"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C 22300
TYPICAL PLAN OF CORNER ANGLE ASSEMBLY AA20 (F3) AND AA20R (FR3 - OPP HAND)
NOTE
1. DIMENSION IS 10 3/4" FOR FLOORS 44 AND IS 9 1/4" FOR 78
EXT. COL. REF. LINE
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
MISCELLANOUS FLOOR PANEL DETAILS FOR F3 & FR3 PANELS
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 A83-75 & 76
PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.
DATE 3/24/69
DRAWN BY:
DATE JAN. 20, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR
DATE
CHECKED BY: T.M.CHURA
DATE JAN. 20, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO.
NO. DATE REVISION BY



DETAIL "N" (OPP. HAND FOR F2R PANEL)
DETAIL "X" (OPP. HAND FOR F2R PANEL)
DETAIL "S"
DETAIL "Q"
DETAIL "T"
DETAIL "U"
DETAIL "O"
DETAIL "R"
DETAIL "V"
SECTION H-H (OPP. HAND FOR F2R PANEL)
ANGLE C3 ATTACHMENT TO C32T22L OR TRUSSES
TYPICAL PLAN OF CORNER ANGLE ASSEMBLY AA26 (F2) AND AA26R (F2R-OPP HAND)
SECTION K-K
DETAIL "M"
DETAIL "L"
COVER PLATES
DETAIL "N"
DETAIL "K"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
NOTE
1. DIMENSION IS 10 3/4" UP TO & INCL. FLOOR 74 AND IS 6 3/4" ABOVE FLOOR 74.
FLOOR PANEL DETAILS
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY
MISCELLANOUS FLOOR PANEL DETAILS FOR F2 & F2R PANELS
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. A83-18
PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.
DATE
DRAWN BY
DATE DEC. 30 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR
CHECKED BY: Y.M.CHUNA
DATE DEC. 31 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-F2-2
NO. DATE REVISION BY



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T20L	1	C32T20L- 58'-10"	ST 220L
	T21L	1	C32T21L- 58'-10"	ST221L
	T21R	1	C32T21R- 58'-10"	
	T22	1	C32T22 58'-10"	ST 222
BRIDGING TRUSSES	T7C	1	24T7C - 19'-6"	BT207C
	T7D	1	24T7D - 19'-6"	BT207D
	T7E	1	24T7E - 19'-6"	BT207E
	T14A	1	24T14A - 19'-6"	BT214A
3"x 2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x 2'-7 15/16"	ST404
	A12	1	3"x2"x1/4"x 5'-11 1/16"	ST404
	A13	1	3"x2"x 1/4"x 6'-3 7/16"	ST404
	A35	1	3"x2"x 1/4"x 5'-8 1/8"	ST409
	A36	1	3"x2"x1/4"x5'-11 1/2"	ST409
	A37	1	3"x2"x1/4"x 2'-10"	ST409
	A38	3	3"x2"x1/4"x 6'-4"	ST409
	A39	1	3"x2"x 1/4"x 2'-9"	ST409
	A40	2	3"x 2"x 1/4"x 6'-2"	ST409
	A41	1	3"x 2"x1/4"x 2'-10 3/4"	ST409
ANGLE ASSEMBLY	AA9	3	SEE REF DRWG.	ST410
	AA21	1	SEE REF. DRWG.	ST410
	AA22	1	SEE REF. DRWG.	ST410
	AA23	1	SEE REF. DRWG.	ST410
	AA24	1	SEE REF. DRWG.	ST410
	AA25	1	SEE REF. DRWG.	ST410
	AA26	1	SEE REF. DRWG.	ST410
PATCH PLATES	PP1	6	2"x1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x 0135"x 13'-11 1/2"	ST303
	Ks	1	3 1/2"x 0135"x 13'-11 1/2"	ST304
	B	2	9"x 0135"x 15'-2"	ST303
	Bs	1	3 1/2"x.0135"x 15'-2"	ST303
	Ls	1	3 1/2"x.0135"x 15'-2"	ST304
	E	1	9"x .0135"x 14'-4 1/2"	ST303
	Es	1	3 1/2"x.0135"x 14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x 1 1/2"x 1/4"x0'-8"	ST400
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 8'-8"	ST402
	F2 / F2R	7	1 1/2"x 5/8"x 8'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 8'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8"x 4'-4"	ST402
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST400
	PF-7	1	5"x 3/8"x 0'-4"	ST401
	PF-8		3 1/2"x 1/4"x 0'-2 7/8"	ST401
	PF-10	8	4 1/2"x 1/4"x 0'-2 3/4"	ST401
	PF-11	1	3"x 1/4"x 0'-2 3/8"	ST412
	EX	1	SEE REF. DRWG.	ST 222
	22			

SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 2/1/69 By SK

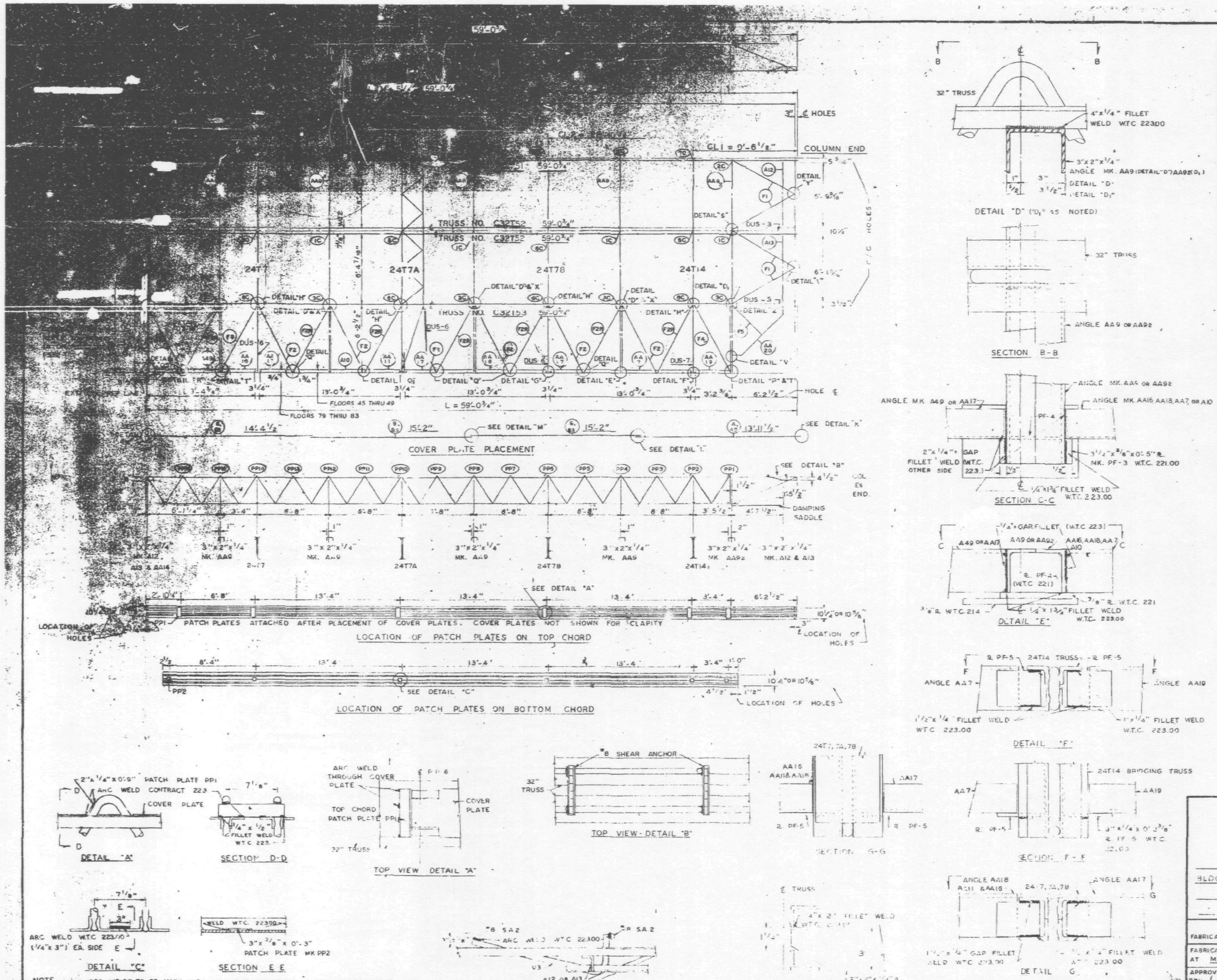
SEE SHEET FP-F2-1 FOR NOTES, REF. DRWG & ADDITIONAL DETAILS

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 29, 59 & 92 (NORTH & SOUTH)
PANEL F2 19'-6" x 58'-10"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-34	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: [illegible] DATE DEC. 3, 1966	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO.	DATE	CHECKED BY: T.N. CHURA DATE DEC. 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F2



NOTE: 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FILLET WELDS.
3. SEE SHEET FP-F5-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL				
MATERIAL	MK	PCS	[illegible]	[illegible]
FLOOR TRUSSES	T51	1	C32T51 - 59'-0 3/4"	[illegible]
	T52	2	C32T52 - 59'-0 3/4"	[illegible]
	T53	1	C32T53 59'-0 3/4"	[illegible]
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	[illegible]
	T7A	1	24T7A - 19'-6"	[illegible]
	T7B	1	24T7B - 19'-6"	[illegible]
	T14	1	24T14 - 19'-6"	ST214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x2'-7 15/16"	ST 404
	A12	2	3"x2"x1/4"x5'-11""	ST 404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST 404
	A49	1	3"x [illegible] x6' 0""	ST 413
ANGLE ASSEMBLY	AA7	1	SEE REF. DRWG.	ST 404
	AA9	4	SEE REF. DRWG.	ST 404
	AA92	1	SEE REF. DRWG.	ST 404
	AA11	1	SEE REF. DRWG.	ST 404
	AA16	1	SEE REF. DRWG.	ST 404
	AA17	3	SEE REF. DRWG.	ST 404
	AA18	1	SEE REF. DRWG.	ST 404
	AA19	1	SEE REF. DRWG.	ST 404
	AA24	1	SEE REF. DRWG.	ST 410
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2 / F2R	6 * / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0	ST402
	F5	1	1 1/2"x 5/8 x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	5	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x.0135"x13'-11 1/2	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	As	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	Bs	2	3 1/2"x.0135"x15'-2	ST303
	Es	1	3 1/2"x.0135"x14'-4 1/2	ST303
DIAGONAL FLAT	F8A	*	SEE REF. DRWG.	ST415
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-3	5	3 1/2"x 3/8"x 0'-3"	ST400
CONN ANGLE	C5	1	3 x 2 x 3/8" x 0'-3	ST 413
ANGLE CLIP	C1	9	2"x1 1/2"x1/4"x 0'-6"	ST400
	C2	7	2 1/2"x 1 1/2"x1/4"x 0'-6"	ST400
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY

REF. DRWG.

7-AB1-46	11-25-68	SA-124	1-6-69
7-AB1-47	11-25-68	7-AB4-14,14.1	10-15-68
7-AB1-48	11-25-68	7-AB4-15,16	7-22-68
7-AB2-2	7-22-68	7-AB4-21	7-22-68
7-AB2-9	7-22-68	7-AB4-23 25	7-22-68
7-AB3-70	11-25-68	7-AB4-29	1-3-69
7-AB3-75	11-25-68	7-AB4 39-41,43	7-22-68
7-AB4-3	10-15-68	7-AB4-42	10-15-68
		7-AB4-45	12-20-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45 (NORTH & SOUTH) 46-49 (SOUTH) 79-83 (NORTH)
PANEL F5 19'5" x 59'-0 3/4"

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-75
PLATE
APPROVED FOR FABRICATION BY: [signature] FOR P.O.N.Y.A. DATE 3/24/69
DRAWN BY: [initials] DATE JAN. 17, 1969
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M. CHURA DATE JAN. 17, 1969
IN CHARGE OF PROD. DEPT.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-F5

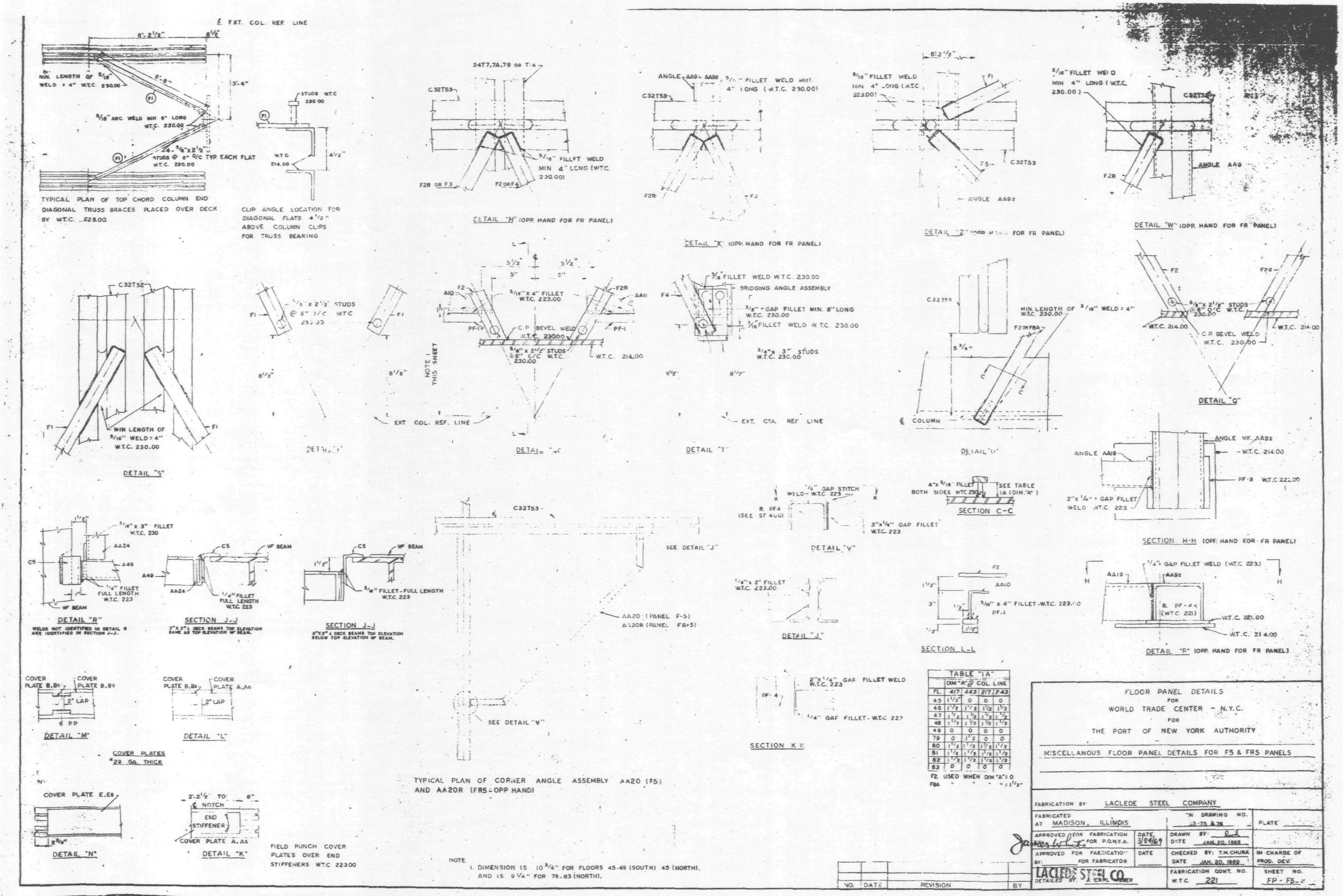


TABLE "1A"

	DIM "A" @ COL. LINE			
FL.	417	443	217	243
45	1 1/2"	0	0	0
46	1 1/2	1 1/2	1 1/2	1 1/2
47	1 1/2	1 1/2	1 1/2	1 1/2
48	1 1/2	1 1/2	1 1/2	1 1/2
49	0	0	0	0
79	0	1 1/2	0	0
80	1 1/2	1 1/2	1 1/2	1 1/2
81	1 1/2	1 1/2	1 1/2	1 1/2
82	1 1/2	1 1/2	1 1/2	1 1/2
83	0	0	0	0

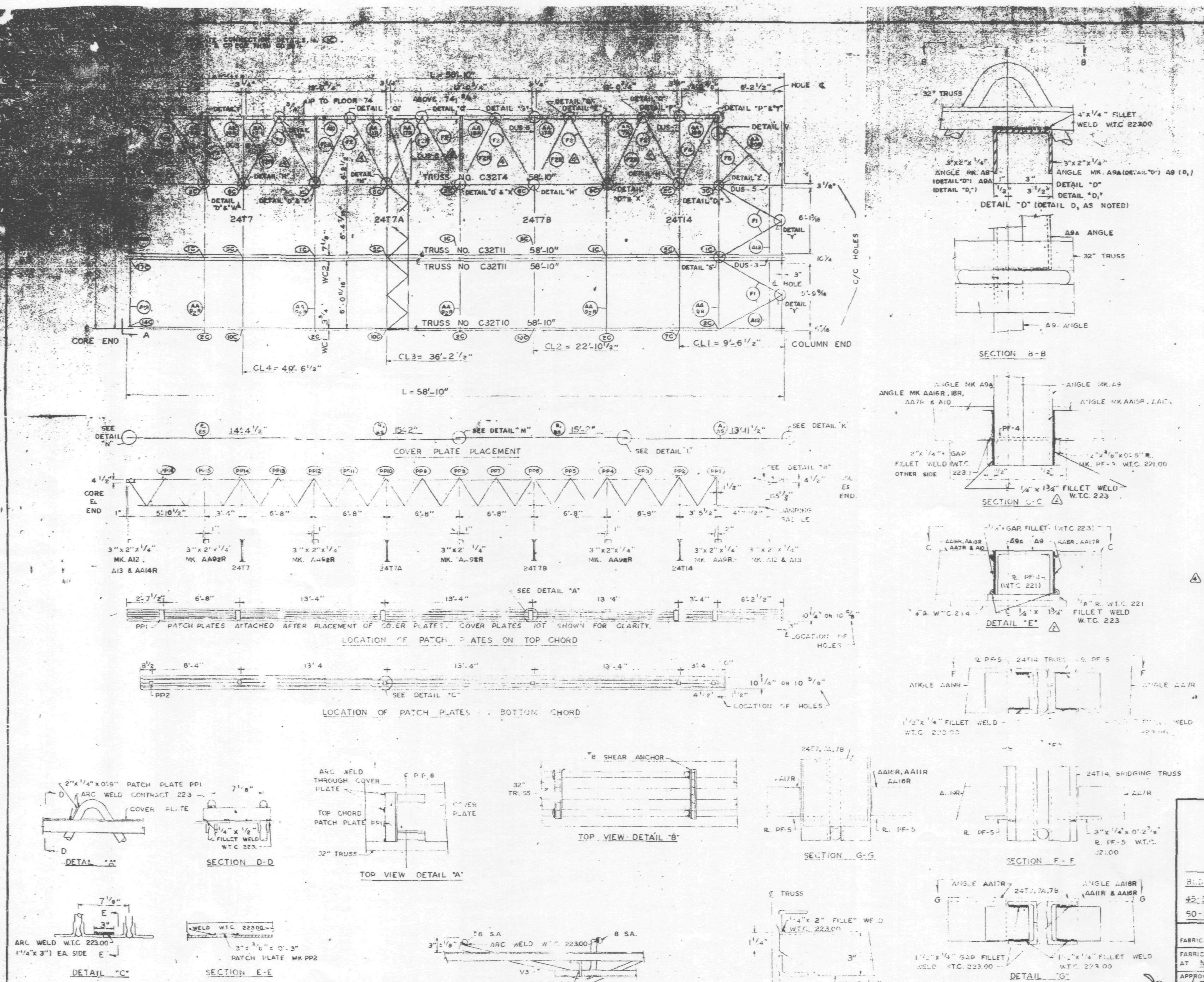
F2 USED WHEN DIM "A" = 0
F8A " " " " = 1 1/2"

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR F5 & FR5 PANELS

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
ON DRAWING NO. 53-75 & 76
PLATE
APPROVED FOR FABRICATION BY: James White FOR P.O.N.Y.A. DATE 3/24/69
DRAWN BY: [signature] DATE JAN. 20, 1969
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M. CHURA DATE JAN. 20, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP - F5-2

NO.	DATE	REVISION	BY



NOTE. 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS.
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	REF. DRWG.
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	ST207
	T7A	1	24T7A - 19'-6"	ST207A
	T7B	1	[illegible]	ST207B
	T14	1	24T14 - 19'-6"	ST214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x 1/4"x 2'-7 5/16"	ST404
	A13	2	3"x2"x 1/4"x 6'-3 7/16"	ST404
	A12	2	3"x2"x 1/4"x 5'-11 11/16"	ST404
ANGLE ASSEMBLY	AA7R	1	SEE REF. DRWG.	ST406
	AA9R	1	SEE REF. DRWG.	ST406
	AA9₂R	4	SEE REF. DRWG.	ST406
	AA11R	1	SEE REF. DRWG.	ST406
	AA14R	1	SEE REF. DRWG.	ST406
	AA15R	1	SEE REF. DRWG.	ST406
	AA16R	1	SEE REF. DRWG.	ST406
	AA17R	3	SEE REF. DRWG.	ST406
	AA18R	1	SEE REF. DRWG.	ST406
	AA19R	1	SEE REF. DRWG.	ST406
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
(3)	F2 / F2R	7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8"x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x .0135"x 13'-11 1/2"	ST303
	B	2	9"x .0135"x 15'-2"	ST303
	E	1	9"x .0135"x 14'-4 1/2"	ST303
	AS	1	3 1/2"x .0135"x 13'-11 1/2"	ST303
	BS	2	3 1/2"x .0135"x 15'-2"	ST303
	ES	1	3 1/2"x .0135"x 14'-4 1/2"	ST303
ANGLE CLIPS* (4)	C2	4	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST400
	C1	12	2"x 1 1/2"x 1/4"x 0'-5"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x [illegible]-6 7/8"	ST299
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x [illegible]-6 7/8"	ST299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x [illegible]-4 7/8"	ST299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x [illegible] 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF7	1	5"x 3/8"x 4" (2)	ST401
	PF-3	5	3 1/2"x 3/8"x 0'-[illegible]	ST400
(4) #8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
CORNER ANGLE ASSEMBLY	AA[illegible]	1	SEE REF. DRWG	ST405

*CLIP ANGLE CHANGE BECOMES EFFECTIVE WITH 33rd FLOOR, TOWER "A".

NO	DATE	REVISION	BY
(4)	3-20-69	AS NOTED*	G.D.C.
(3)	10-11-68	F2 & F2R	T.M.C.
(2)	9-30-68	AS NOTED	T.M.C.
1	9-19-68	GENERAL	T.M.C.

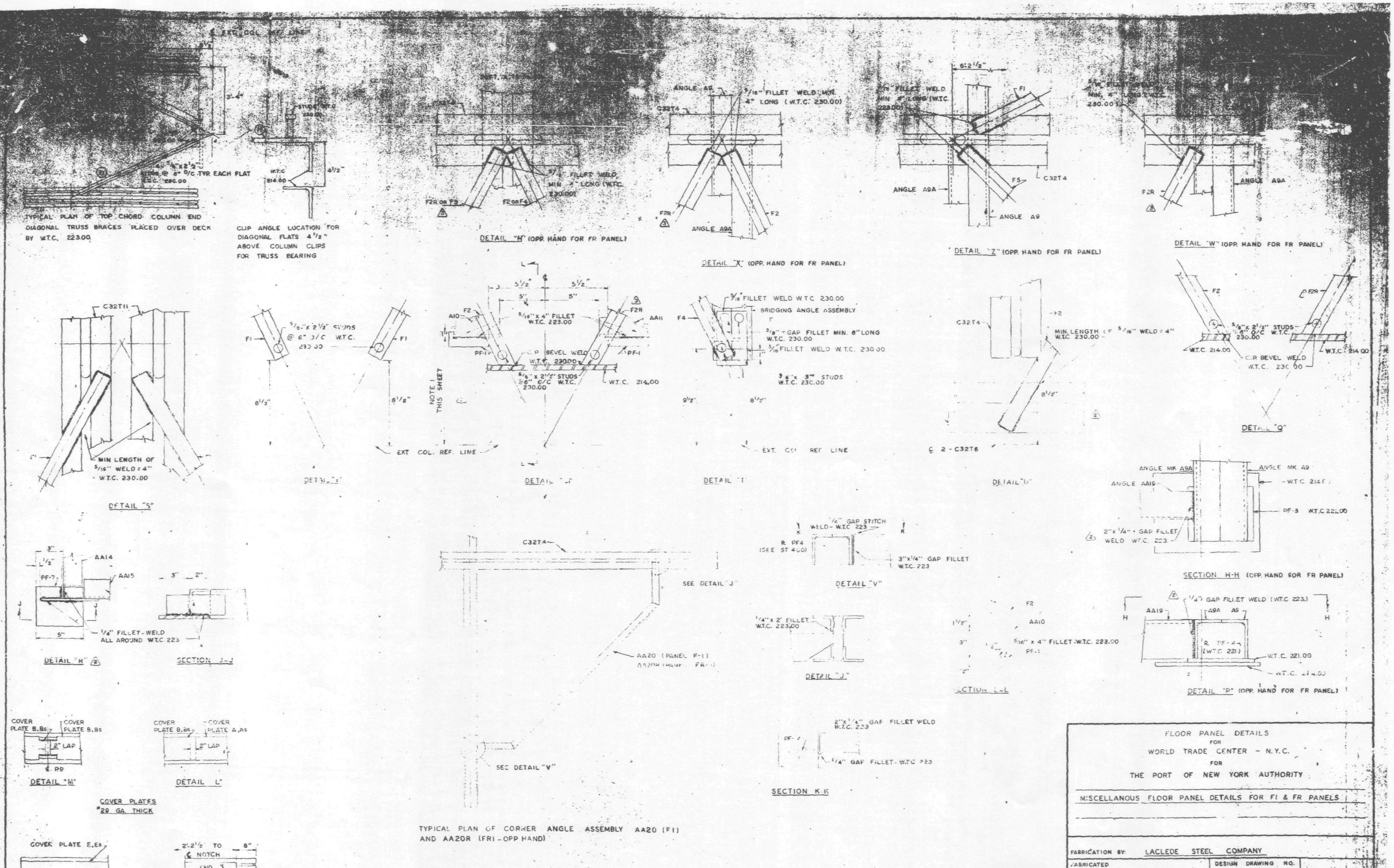
REF. DRWG.			
		SA-124	10-20-67
7-AB1-8	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-9	5-10-68	7-AB4-15,16	5-6-68
7-AB1-10	5-10-68	7-AB4-21	1-3-68
7-AB2-2	4-1-68	7-AB4-23-25	4-1-68
7-AB2-9	4-1-68	7-AB4-29,38.2	4-1-68
7-AB3-2	1-3-68	7-AB4-39-41,43	1-3-68
7-AB3-13	5-10-68	7-AB4-42	4-1-68
7-AB4-3,3.1,4	1-3-68	7-AB4-45,47,47.1	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40, 60-66, 68-74, 93-100 (NORTH & SOUTH)
45-58, 94-9? (NORTH) PANEL FR1 19'-6" x 58'-10"
50-58, 80-91 (SOUTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-14 5-10-68	PLATE
APPROVED FOR FABRICATION BY: James White FOR P.O.N.Y.A.	DATE 4/7/69	DRAWN BY: [illegible] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
DETAILED LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-FR1



NOTE
1. DIMENSION IS 10 3/4" UP TO & INCL. FLOOR 74 AND IS 9 3/4" ABOVE FLOOR 74

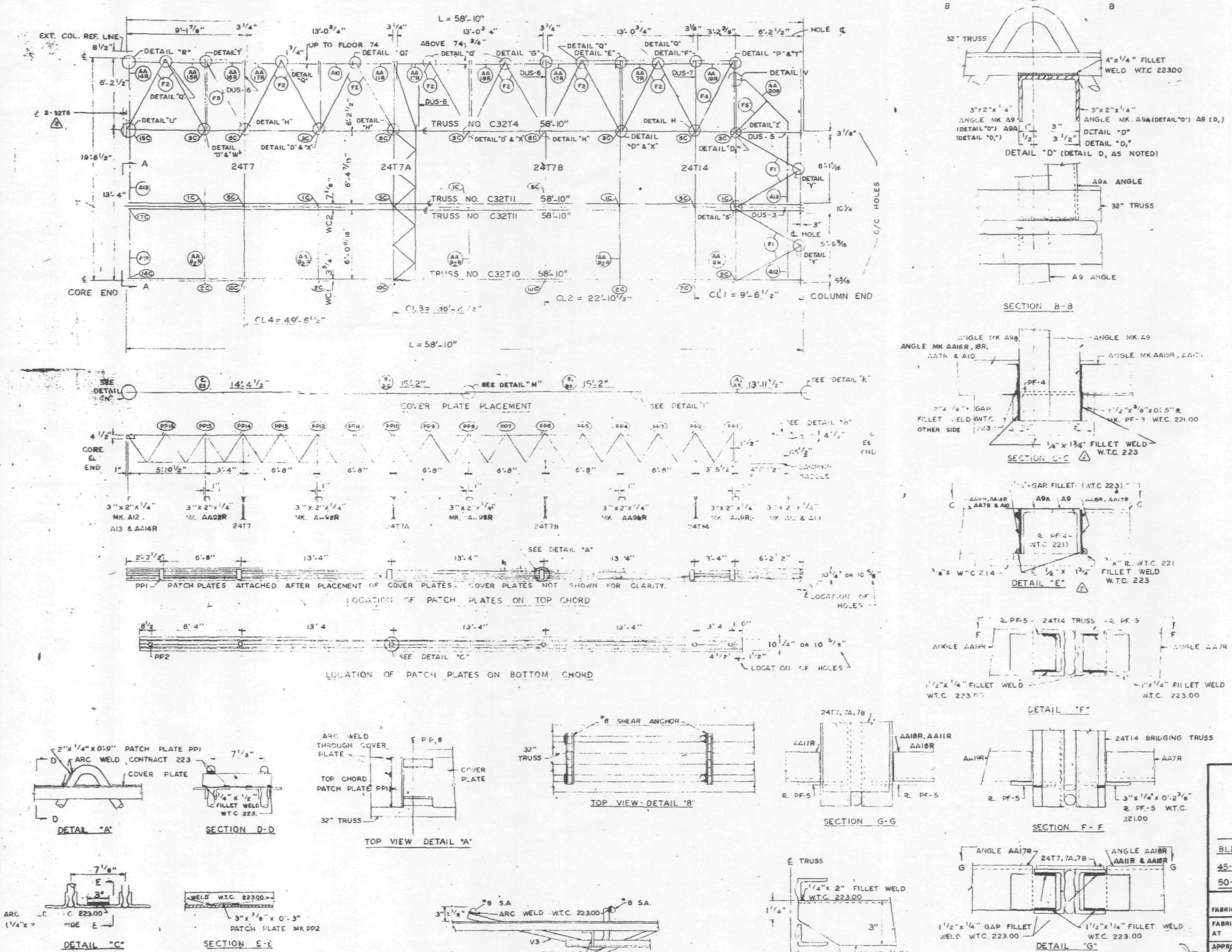
NO.	DATE	REVISION	BY
3	3-20-69	AS NOTED	G.D.C.
2	9-30-68	AS NOTED	T.M.C
1	9-20-68	GENERAL	T.M.C.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR F1 & FR PANELS

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-13 5-10-68
PLATE
APPROVED FOR FABRICATION BY: James White FOR P.O.N.Y.A. DATE 4/7/69
DRAWN BY: [illegible] DATE JULY 15, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE JULY 16 1968
IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER
LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-F1-2

LETTERS & NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1C), SHOWN ON SHEETS CD 201, CD 202, CD 204 & CD 205 THRU CD 207.



NOTE. 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x2'-7 15/16"	ST404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x5'-11 11/16"	ST404
ANGLE ASSEMBLY	AA7R	1	SEE REF. DRWG.	ST406
	AA9R	1	SEE REF. DRWG.	ST406
	AA9.2R	4	SEE REF. DRWG.	ST406
	AA11R	1	SEE REF. DRWG.	ST406
	AA14R	1	SEE REF. DRWG.	ST406
	AA15R	1	SEE REF. DRWG.	ST406
	AA16R	1	SEE REF. DRWG.	ST406
	AA17R	3	SEE REF. DRWG.	ST406
	AA18R	1	SEE REF. DRWG.	ST406
	AA19R	1	SEE REF. DRWG.	ST406
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
(3)	F2 / F2R	7 / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8"x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	5	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x.0135"x13'-11 1/2"	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	AS	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	BS	2	3 1/2"x.0135"x15'-2"	ST303
	ES	1	3 1/2"x.0135"x14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-7	1	5"x 3/8"x 4" (2)	ST401
	PF-3	5	3 1/2"x 3/8"x 0'-[illegible]"	ST400
CORNER ANGLE ASSEMBLY	AA20R	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
(3)	10-11-68	F2 & F2R	T.M.C.
(2)	9-30-68	AS NOTED	T.M.C.
1	9-19-68	GENERAL	T.M.C.

REF. DRWG.

7-AB1-8	5-10-68	SA-124	10-20-67
7-AB1-9	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-10	5-10-68	7-AB4-15,16	5-8-68
7-AB2-2	4-1-68	7-AB4-21	1-3-68
7-AB2-9	4-1-68	7-AB4-23-25	4-1-68
7-AB3-2	1-3-68	7-AB4-29,38.2	4-1-68
7-AB3-13	5-10-68	7-AB4-39-41,43	1-3-68
7-AB4-3,3.1,4	1-3-68	7-AB4-42	4-1-68
		7-AB4-45,47,47.1	4-1-68

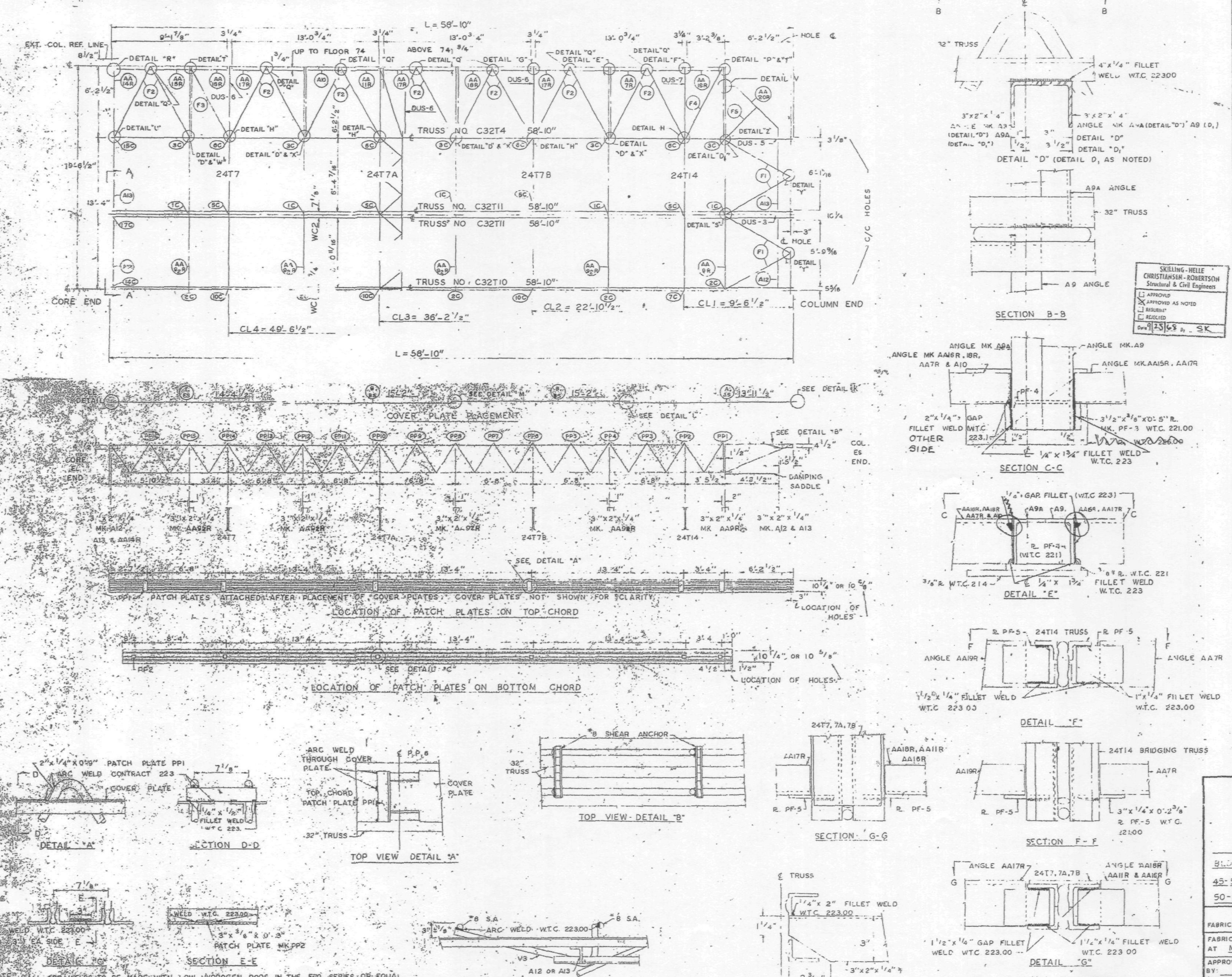
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40, 60-66, 68-74, 93-106 (NORTH & SOUTH)
45-58, 84-91 (NORTH) PANEL FR1 19'-6" x 58'-10"
50-58, 80-91 (SOUTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-14 5-10-68	PLATE
APPROVED FOR FABRICATION BY: [signature] FOR P.O.N.Y.A.	DATE 10/14/68	DRAWN BY: [initials] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-FR1

LETTERS & NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1C), SHOWN ON SHEETS CD 201, CD 202, CD 204 & CD 205 THRU CD 207.



NOTES: 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE, ALL CONNECTION ARC WELDS SHALL BE 1/4" FILLET WELDS.
3. SEE SHEET FP-FI-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED / APPROVED AS NOTED / RESUBMIT / REJECTED
Date 9/23/68 By SK

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST 210
	T11	2	C32T11 - 58'-10"	ST 211
	T4	1	C32T4 - 58'-10"	ST 204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT 207
	T7A	1	24T7A - 19'-6"	BT 207A
	T7B	1	24T7B - 19'-6"	BT 207B
	T14	1	24T14 - 19'-6"	BT 214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x 2'-? ?/16"	ST404
	A13	2	3"x2"x1/4"x 6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x 5'-11 11/16"	ST404
ANGLE ASSEMBLY	AA7R	1	SEE REF. DRWG.	ST406
	AA8R	1	SEE REF. DRWG.	ST406
	AA9R	4	SEE REF. DRWG.	ST406
	AA11R	1	SEE REF. DRWG.	ST406
	AA14R	1	SEE REF. DRWG.	ST406
	AA15R	1	SEE REF. DRWG.	ST406
	AA16R	1	SEE REF. DRWG.	ST406
	AA17R	3	SEE REF. DRWG.	ST406
	AA18R	1	SEE REF. DRWG.	ST406
	AA19R	1	SEE REF. DRWG.	ST406
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST 402
	F2	14	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8"x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9 x .0135"x 13'-11 1/2"	ST 303
	B	2	9"x .0135"x 15'-2"	ST303
	E	1	9"x .0135"x 14'-4 1/2"	ST 303
	As	1	3 1/2"x .0135"x 13'-11 1/2"	ST 303
	Bs	2	3 1/2"x .0135"x 15'-2"	ST 303
	Es	1	3 1/2"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C2	16	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST 400
# 8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST299
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF7	1	5"x 3/4"x 4" (3/8)	ST 401
	PF-3	5	3 1/2"x 3/8"x 0'-3"	ST400
CORNER ANGLE ASSEMBLY	AA20R	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
1	9-19-68	GENERAL	T.M.C.

REF. DRWG.

7-AB1-8	5-10-68	SA-124	10-20-67
7-AB1-9	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-10	5-10-68	7-AB4-15,16	5-6-68
7-AB2-2	4-1-68	7-AB4-21	1-3-68
7-AB2-9	4-1-68	7-AB4-23-25	4-1-68
7-AB3-2	1-3-68	7-AB4-29,38.2	4-1-68
7-AB3-13	5-10-68	7-AB4-39-41,43	1-3-68
7-AB4-3,3.1,4	1-3-68	7-AB4-42	4-1-68
		7-AB4-45,47,47.1	4-1-68

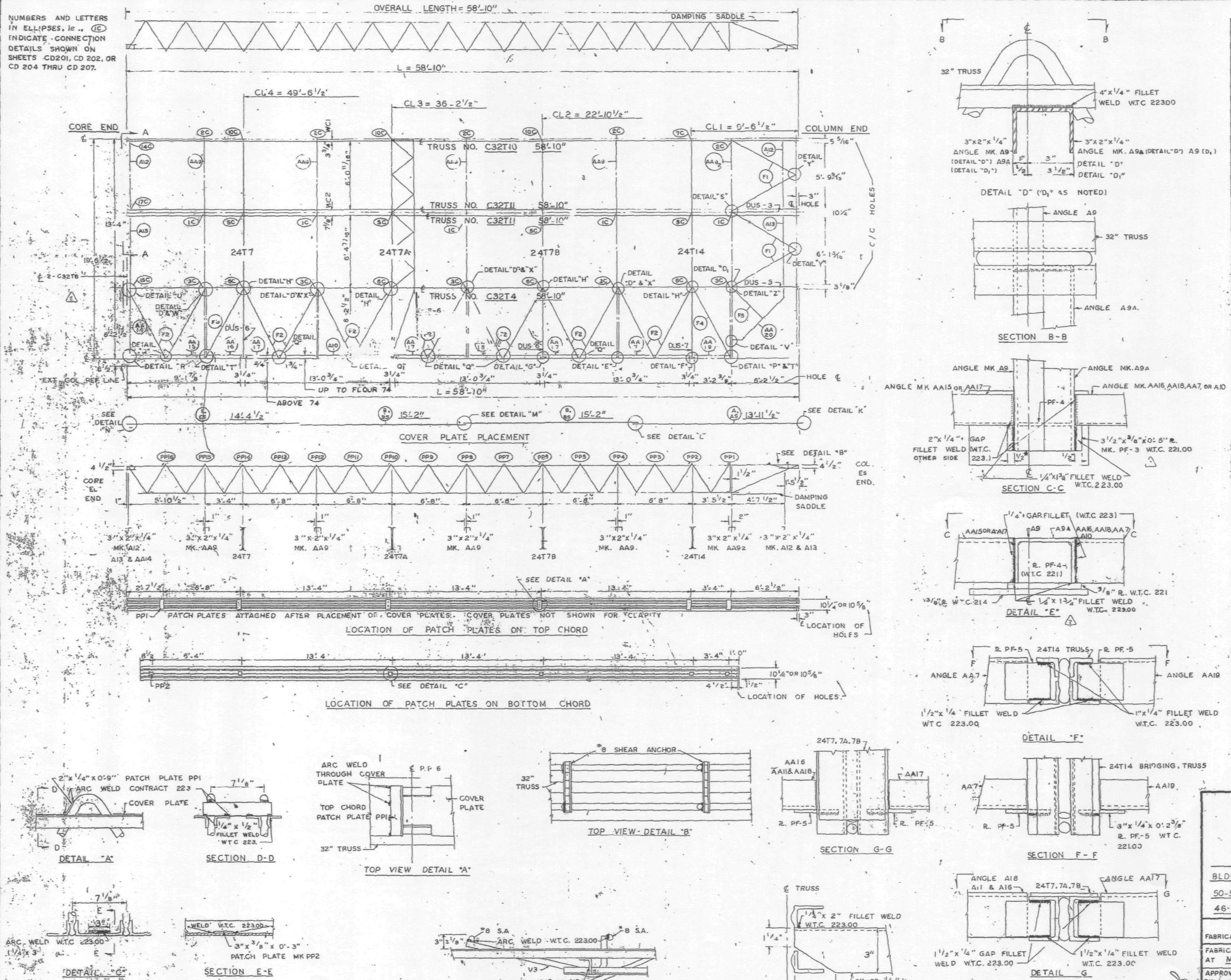
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40, 60-66, 68-74, 93-100 (NORTH & SOUTH)
45-58, 84-91 (NORTH) PANEL FR1 19'-6" x 58'-10"
50-58, 80-91 (SOUTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-14 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: [signature] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-FR1

NUMBERS AND LETTERS IN ELLIPSES, ie., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD201, CD 202, OR CD 204 THRU CD 207.



NOTE: 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x 2'-7 15/16"	ST404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x 5'-11 11/16"	ST404
ANGLE ASSEMBLY	AA7	1	SEE REF. DRWG.	ST404
	AA9	4	SEE REF. DRWG.	ST404
	AA9₂	1	SEE REF. DRWG.	ST404
	AA11	1	SEE REF. DRWG.	ST404
	AA14	1	SEE REF. DRWG.	ST404
	AA15	.	SEE REF. DRWG.	ST404
	AA16	1	SEE REF. DRWG.	ST404
	AA17	3	SEE REF. DRWG.	ST404
	AA18	1	SEE REF. DRWG.	ST404
	AA19	1	SEE REF. DRWG.	ST404
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	(3) F2 / F2R	7 / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8 x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x.0135"x13'-11 1/2"	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	As	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	Bs	2	3 1/2"x.0135"x15'-2	ST303
	Es	1	3 1/2"x.0135"x14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x3 1/2"x3/8"x 3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x3 1/2"x3/8"x 4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x3 1/2"x3/8"x 4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-7	1	5"x 3/8"x 4"	ST401
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST400
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
(3)	10-11-68	F2 & F2R	T.M.C.
(2)	9-30-68	AS NOTED	T.M.C.
1	9-19-68	GENERAL	T.M.C.

REF. DRWG.			
		SA-124	10-20-67
7-AB1-8	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-9	5-10-68	7-AB4-15,16	5-6-68
7-AB1-10	5-10-68	7-AB4-21	1-3-68
7-AB2-2	4-1-68	7-AB4-23 25	4-1-68
7-AB2-9	4-1-68	7-AB4-29 38.2	4-1-68
7-AB3-2	1-3-68	7-AB4-39-41,43	1-3-68
7-AB3-13	5-10-68	7-AB4-42	4-1-68
7-AB4-3,3.1,4	1-3-68	7-AB4-45,47,47.1	4-1-68

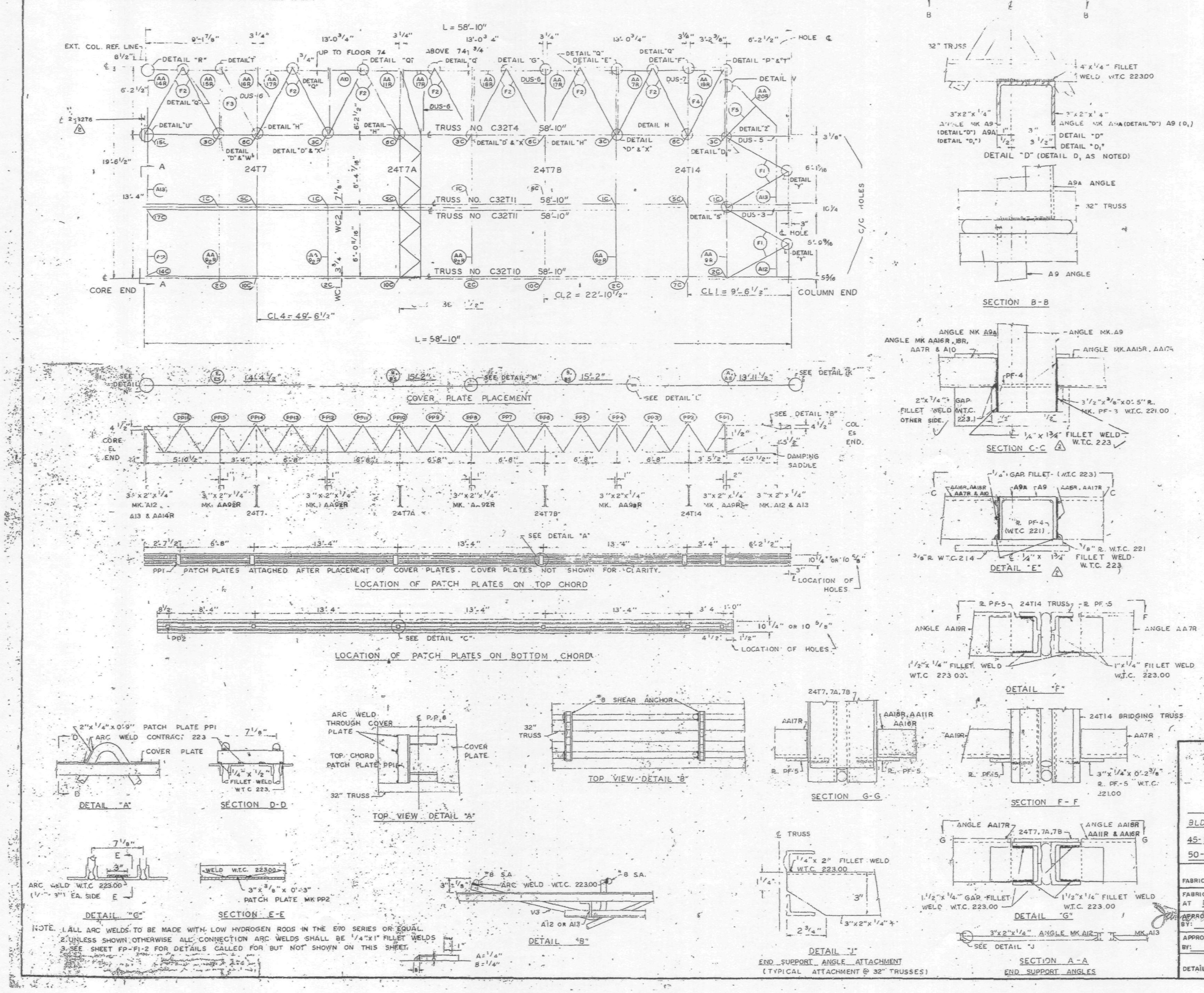
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24 26-40, 60-66, 68-74, 93-106 (NORTH & SOUTH)
50-58, 79-91 (SOUTH) PANEL F1 19'-6" x 58'-10"
46-58, 84-91 (NORTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-13 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 10/14/68	DRAWN BY: DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F1

LETTERS & NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1C), SHOWN ON SHEETS CD 201, CD 202, CD 204 & CD 205 THRU CD 207.



NOTE: 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x2"x1/4" ANGLES	A10	1	3"x2"x1/4"x2'-[illegible]5/16"	ST404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x5'-11"/16"	ST404
ANGLE ASSEMBLY	AA7R	1	SEE REF. DRWG.	ST406
	AA8R	1	SEE REF. DRWG.	ST406
	AA9R	4	SEE REF. DRWG.	ST406
	AA11R	1	SEE REF. DRWG.	ST406
	AA14R	1	SEE REF. DRWG.	ST406
	AA15R	1	SEE REF. DRWG.	ST406
	AA16R	1	SEE REF. DRWG.	ST406
	AA17R	3	SEE REF. DRWG.	ST406
	AA18R	1	SEE REF. DRWG.	ST406
	AA19R	1	SEE REF. DRWG.	ST406
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
	F2	14	1 1/2"x5/8"x6'-10 1/2"	ST402
	F3	1	1 1/2"x5/8"x6'-11 1/4"	ST402
	F4	1	1 1/2"x5/8"x7'-0"	ST402
	F5	1	1 1/2"x5/8"x4'-4"	ST402
PATCH PLATES	PP1	6	2"x1/4"x0'-9"	ST400
	PP2	6	3"x3/8"x0'-3"	ST400
COVER PLATES	A	1	9"x.0135"x13'-11 1/2"	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	AS	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	BS	2	3 1/2"x.0135"x15'-2"	ST303
	ES	1	3 1/2"x.0135"x14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
	DUS-5	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x1/4"x0'-4"	ST400
	PF-7	1	5"x3/8"x4" (2)	ST401
	PF-3	5	3 1/2"x3/8"x0'-[illegible]"	ST400
CORNER ANGLE ASSEMBLY	AA20R	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
(2)	9-30-68	AS NOTED.	T.M.C
1	9-19-68	GENERAL	T.M.C.

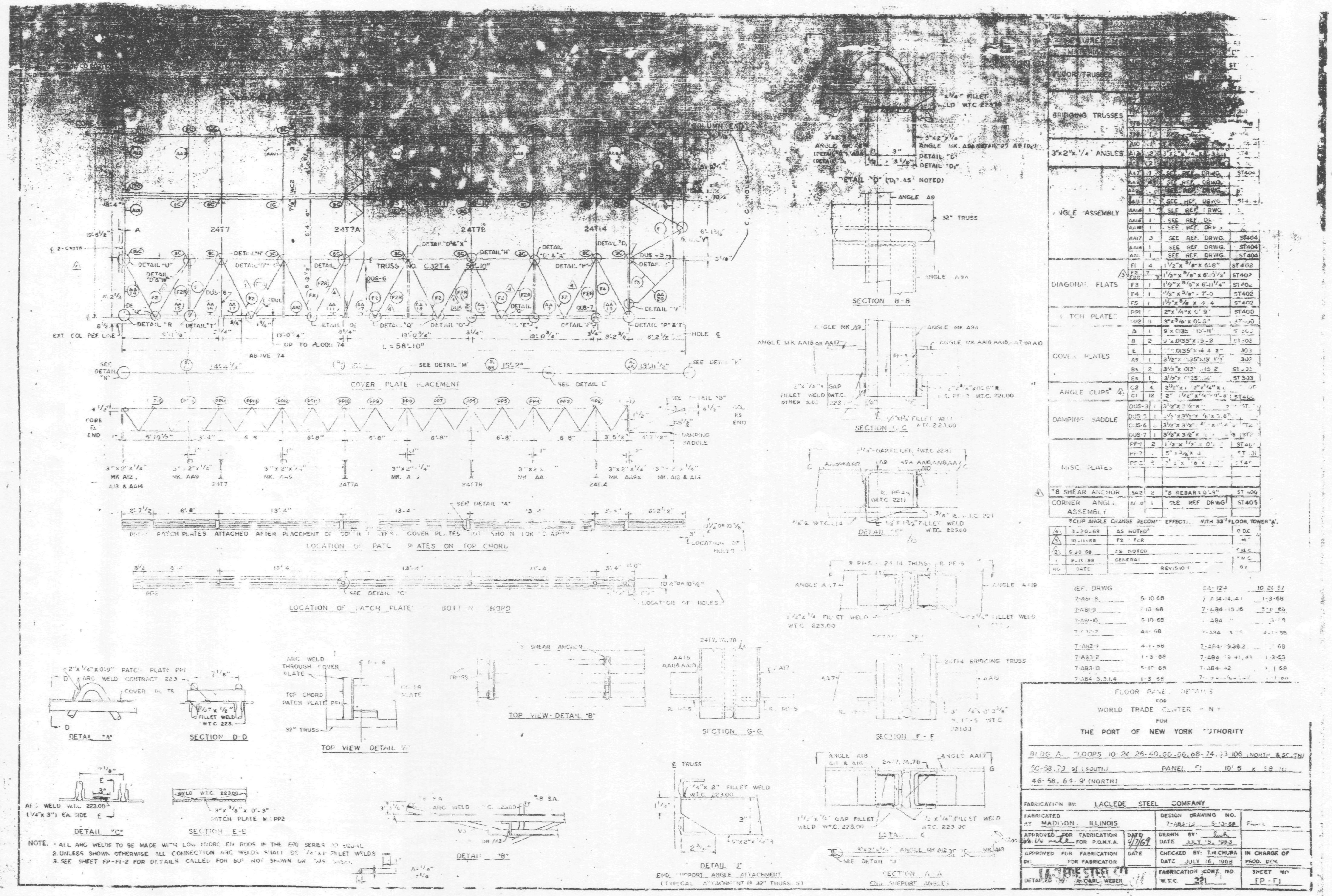
REF. DRWG.			
7-AB1-8	5-10-68	SA-124	10-20-67
7-AB1-9	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-10	5-10-68	7-AB4-15,16	5-6-68
7-AB2-2	4-1-68	7-AB4-21	1-3-68
7-AB2-9	4-1-68	7-AB4-23-25	4-1-68
7-AB3-2	1-3-68	7-AB4-29,38.2	4-1-68
7-AB3-13	5-10-68	7-AB4-39-41,43	1-3-68
7-AB4-3,3.1,4	1-3-68	7-AB4-42	4-1-68
		7-AB4-45,47,47.1	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

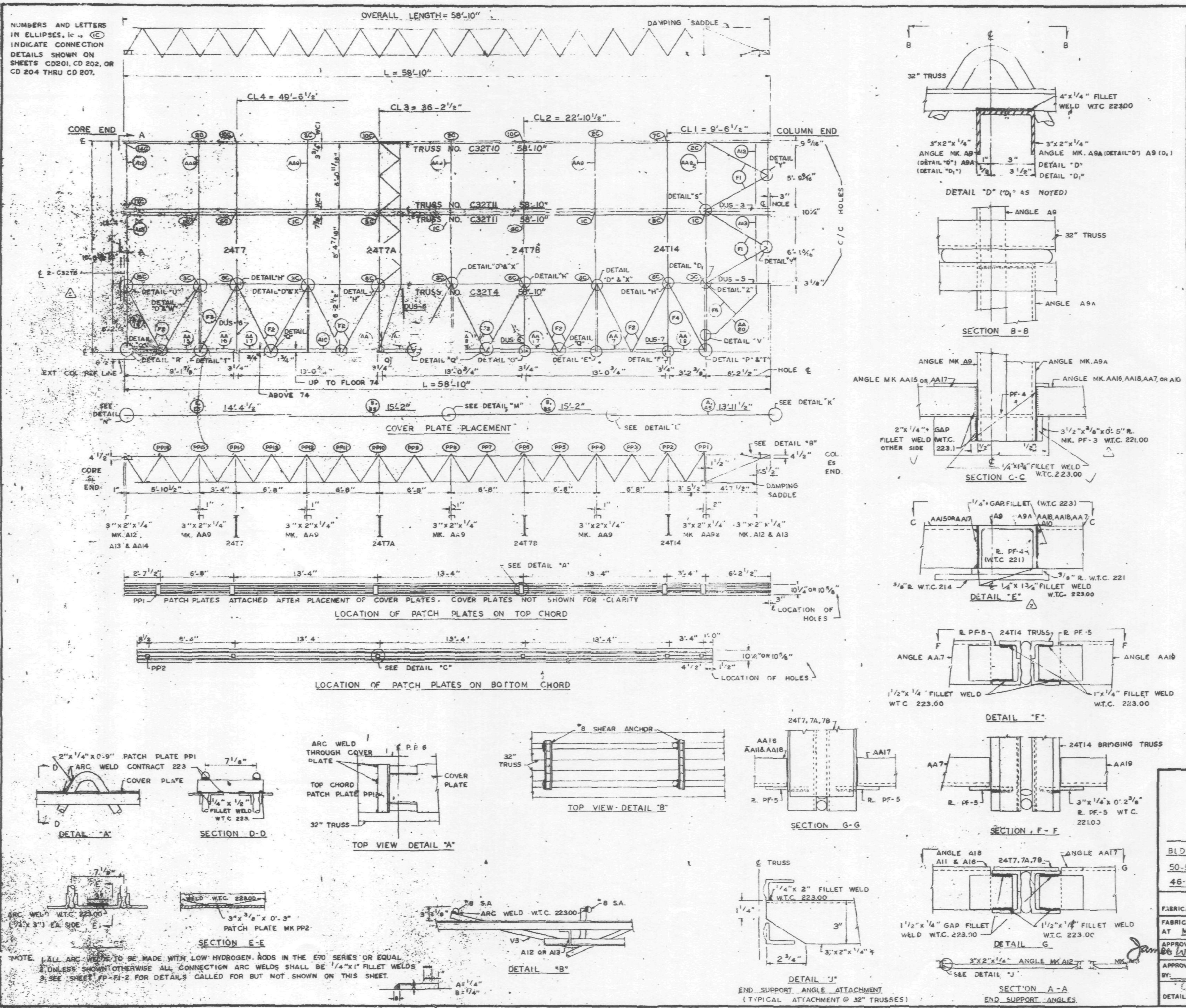
BLDG A FLOORS 10-24, 26-40, 60-66, 68-74, 93-100 (NORTH & SOUTH)
45-58, 84-9[illegible] (NORTH) PANEL FR1 19'-6" x 58'-10"
50-58, 80-91 (SOUTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-14 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 10/7/68	DRAWN BY: [illegible] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD DEV
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP-FR1


COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES BOTTOM CHORD
SECTION B-B
SECTION C-C
DETAIL "E"
DETAIL "F"
SECTION G-G
SECTION F-F
DETAIL "A"
SECTION D-D
TOP VIEW DETAIL "A"
TOP VIEW - DETAIL "B"
DETAIL "C"
SECTION E-E
DETAIL "B"
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
(TYPICAL ATTACHMENT @ 32" TRUSS)
SECTION A-A
END SUPPORT ANGLES
NOTE. 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FILLET WELDS
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.
FLOOR TRUSSES
BRIDGING TRUSSES
3"x2"x1/4" ANGLES
ANGLE ASSEMBLY
DIAGONAL FLATS
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
MISC PLATES
#8 SHEAR ANCHOR
CORNER ANGLE ASSEMBLY
REF. DRWG
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A. FLOORS 10-24 26-40, 60-66, 68-74, 93-106 (NORTH & SOUTH)
SC-58, 79 91 (SOUTH) PANEL F1 19'6 x 58-10
46-58, 64-91 (NORTH)
FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO.
APPROVED FOR FABRICATION FOR P.O.N.Y.A.
DATE 4/7/69
DRAWN BY:
DATE JULY 15, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR
DATE
CHECKED BY: T.H. CHUPA
DATE JULY 16, 1968
IN CHARGE OF PROD. DEM.
LACLEDE STEEL CO
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO FP-F1

NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD201, CD 202, OR CD 204 THRU CD 207.



NOTE. 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x 2'-7 15/16"	ST404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x 5'-11 11/16"	ST404
ANGLE ASSEMBLY	AA7	1	SEE REF. DRWG.	ST404
	AA9	4	SEE REF. DRWG.	ST404
	AA9₂	1	SEE REF. DRWG.	ST404
	AA11	1	SEE REF. DRWG.	ST404
	AA14	1	SEE REF. DRWG.	ST404
	AA15	1	SEE REF. DRWG.	ST404
	AA16	1	SEE REF. DRWG.	ST404
	AA17	3	SEE REF. DRWG.	ST404
	AA18	1	SEE REF. DRWG.	ST404
	AA19	1	SEE REF. DRWG.	ST404
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2	14	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8 x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	5	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x.0135"x13'-11 1/2"	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	As	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	Bs	2	3 1/2"x.0135"x15'-2	ST303
	Es	1	3 1/2"x.0135"x14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x3 1/2"x3/8"x 3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-7	,	5"x 3/8"x 4"	ST401
	PF-3	5	3 1/2"x 3/8"x 0'-3"	ST400
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
2	9-30-68	AS NOTED	T.M.C.
1	9-19-68	GENERAL	T.M.C.

REF. DRWG.

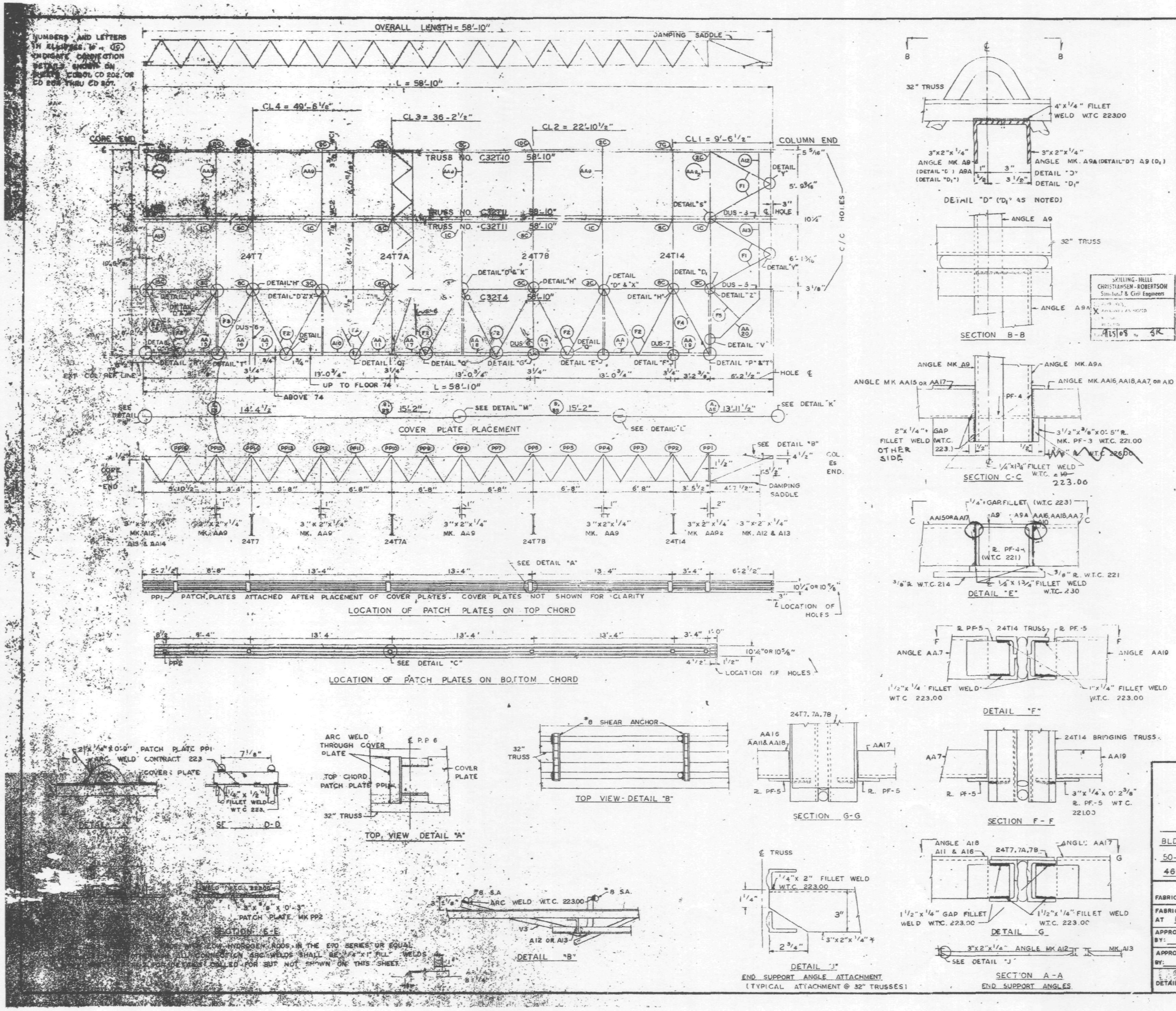
7-AB1-8	5-10-68	SA-124	10-20-67
7-AB1-9	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-10	5-10-68	7-AB4-15,16	5-6-68
7-AB2-2	4-1-68	7-AB4-21	1-3-68
7-AB2-9	4-1-68	7-AB4-23 25	4-1-68
7-AB3-2	1-3-68	7-AB4-29-38.2	4-1-68
7-AB3-13	5-10-68	7-AB4-39-41,43	1-3-68
7-AB4-3,3.1,4	1-3-68	7-AB4-42	4-1-68
		7-AB4-45,47,47.1	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24 26-40, 60-66, 68-74, 93-106 (NORTH & SOUTH)
50-58, 79-91 (SOUTH) PANEL F1 19'-6" x 58'-10"
46-58, 84-91 (NORTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-13 5-10-68	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 10/7/68	DRAWN BY: [signature] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F1



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST 210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST 204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT 207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x 2"x 1/4" ANGLES	A10	1	3"x 2"x 1/4"x 2'-7 15/16"	ST404
	A13	2	3"x 2"x 1/4"x 6'-3 7/16"	ST404
	A12	2	3"x 2"x 1/4"x 5'-11 11/16"	ST404
ANGLE ASSEMBLY	AA7	1	SEE REF. DRWG.	ST404
	AA9	4	SEE REF. DRWG.	ST404
	$AA9_2$	1	SEE REF. DRWG.	ST404
	AA11	1	SEE REF. DRWG.	ST404
	AA14	1	SEE REF. DRWG.	ST404
	AA15	1	SEE REF. DRWG.	ST404
	AA16	1	SEE REF. DRWG.	ST404
	AA17	3	SEE REF. DRWG.	ST404
	AA18	1	SEE REF. DRWG.	ST404
	AA19	1	SEE REF. DRWG.	ST404
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2	14	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8 x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x .0135"x 13'-11 1/2"	ST303
	B	2	9"x .0135"x 15'-2"	ST303
	E	1	9"x .0135"x 14'-4 1/2"	ST303
	As	1	3 1/2"x .0135"x 13'-11 1/2"	ST303
	Bs	2	3 1/2"x .0135"x 15'-2	ST303
	Es	1	3 1/2"x .0135"x 14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-7	[illegible]	5"x 3/8"x 4"	ST401
	PF-3	5	3 1/2"x 3/8"x 0'-[illegible]"	ST400
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
1	9-19-88	GENERAL	T.M.C.

REF. DRWG.			
7-AB1-8	5-10-68	SA-124	10 20-67
7-AB1-9	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-10	5-10-68	7-AB4-15,16	5-6-68
7-AB2-2	4-1-68	7-AB4-21	1-3-68
7-AB2-9	4-1-68	7-AB4-23-25	4-1-68
7-AB3-2	1-3-68	7-AB4-29-38.2	4-1-68
7-AB3-13	5-10-68	7-AB4-39-41,43	1-3-68
7-AB4-3,3.1,4	1-3-68	7-AB4-42	4-1-68
		7-AB4-45,47,47.1	4-1-68

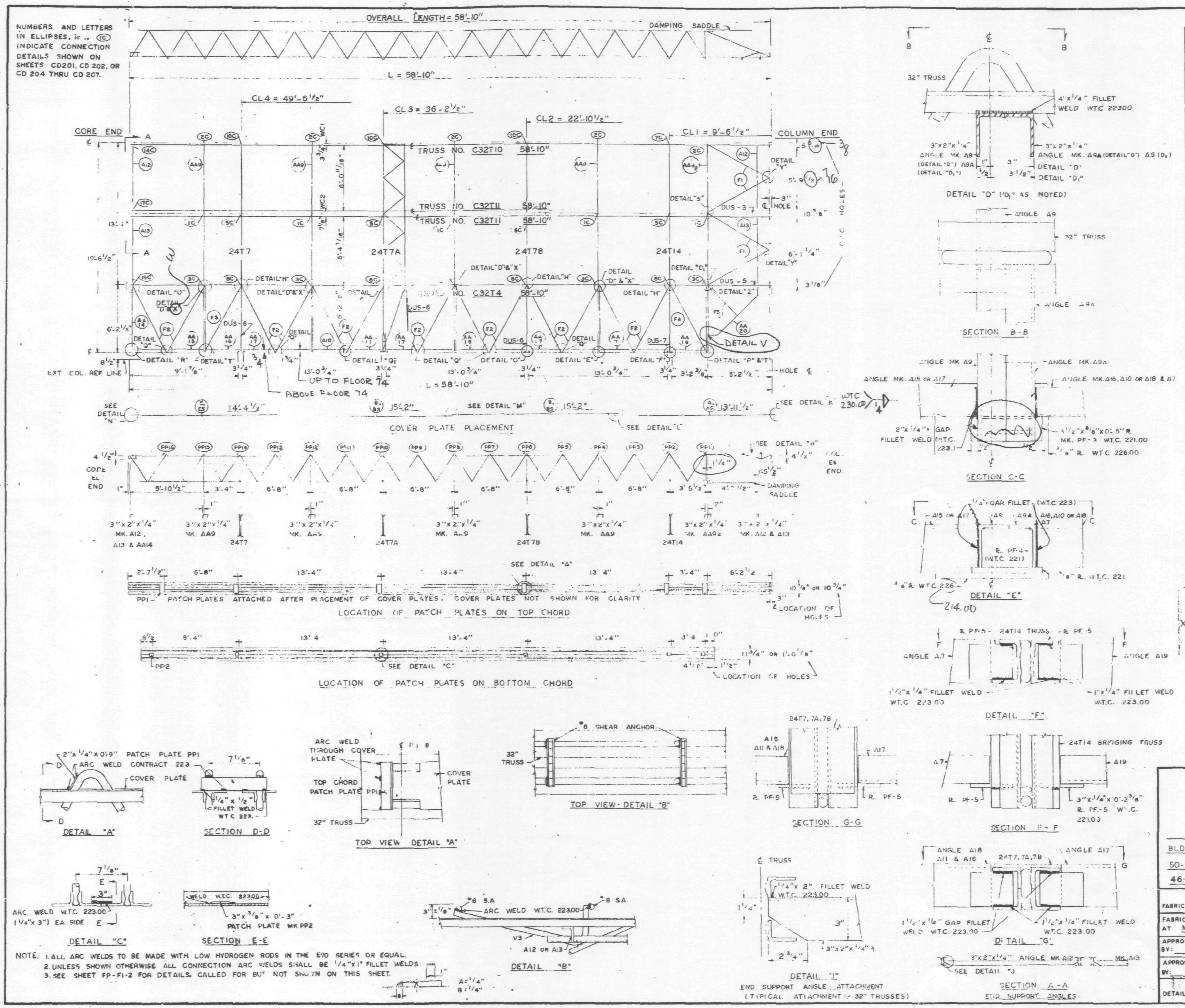
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24 26-40, 60-66, 68-74, 93-106 (NORTH & SOUTH)
50-58, 79-91 (SOUTH) PANEL F1 19'-6" x 58'-10"
46-58, 84-91 (NORTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-13 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. — DATE	DRAWN BY: [illegible] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR — DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F1

NUMBERS AND LETTERS IN ELLIPSES, ie., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD201, CD 202, OR CD 204 THRU CD 207.



NOTE. 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST 210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST 204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT 207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x 2'-7 5/16"	ST404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x 5'-11 11/16"	ST404
ANGLE ASSEMBLY	AA7	1	SEE REF. DRWG.	ST404
	AA9	4	SEE REF. DRWG.	ST404
	AA9₂	1	SEE REF. DRWG.	ST404
	AA11	1	SEE REF. DRWG.	ST404
	AA14	1	SEE REF. DRWG.	ST404
	AA15	1	SEE REF. DRWG.	ST404
	AA16	1	SEE REF. DRWG.	ST404
	AA17	3	SEE REF. DRWG.	ST404
	AA18	1	SEE REF. DRWG.	ST404
	AA19	1	SEE REF. DRWG.	ST404
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2	14	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8 x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9 x .0135"x 13'-11 1/2"	ST303
	B	2	9"x.0135"x 15'-2"	ST303
	E	1	9"x.0135"x 14'-4 1/2"	ST303
	AS	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	BS	2	3 1/2"x.0135"x15'-2	ST303
	ES	1	3 1/2"x .0135"x 14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x 1 1/2"x 1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST400
	PF-4	(5) 6	3 1/2"x 1/4"x 0'-2 3/4"	ST400
	PF-5	8	3"x 1/4"x 0'-2 3/8"	ST400
	PF-6	(2) 1	2 1/4"x 1/4"x 0'-(4 1/2) 5 1/2	ST401
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG	ST405
	PF7	1	3 1/4 x 1/4 x 6	
	PF8	1	3 x 3/8 x 4	

X
9/10/68 SK

REF. DRWG.			
		SA-124	10 20-67
7-AB1-8	5 10 68	7-AB4-14,14.1	1-3-68
7-AB1-9	5-10-68	7-AB4-15,16	5-6-68
7-AB1-10	5-10-68	7-AB4-21	1-3-68
7-AB2-2	4-1-68	7-AB4-23-25	4-1-68
7-AB2-9	4-1-68	7-AB4-29,38,2	4-1-68
7-AB3-2	1-3-68	7-AB4-39-41,43	1-3-68
7-AB3-13	5-10-68	7-AB4-42	4-1-68
7-AB4-3,3.1,4	1-3-68	7-AB4-45,47,47.1	4-1-68

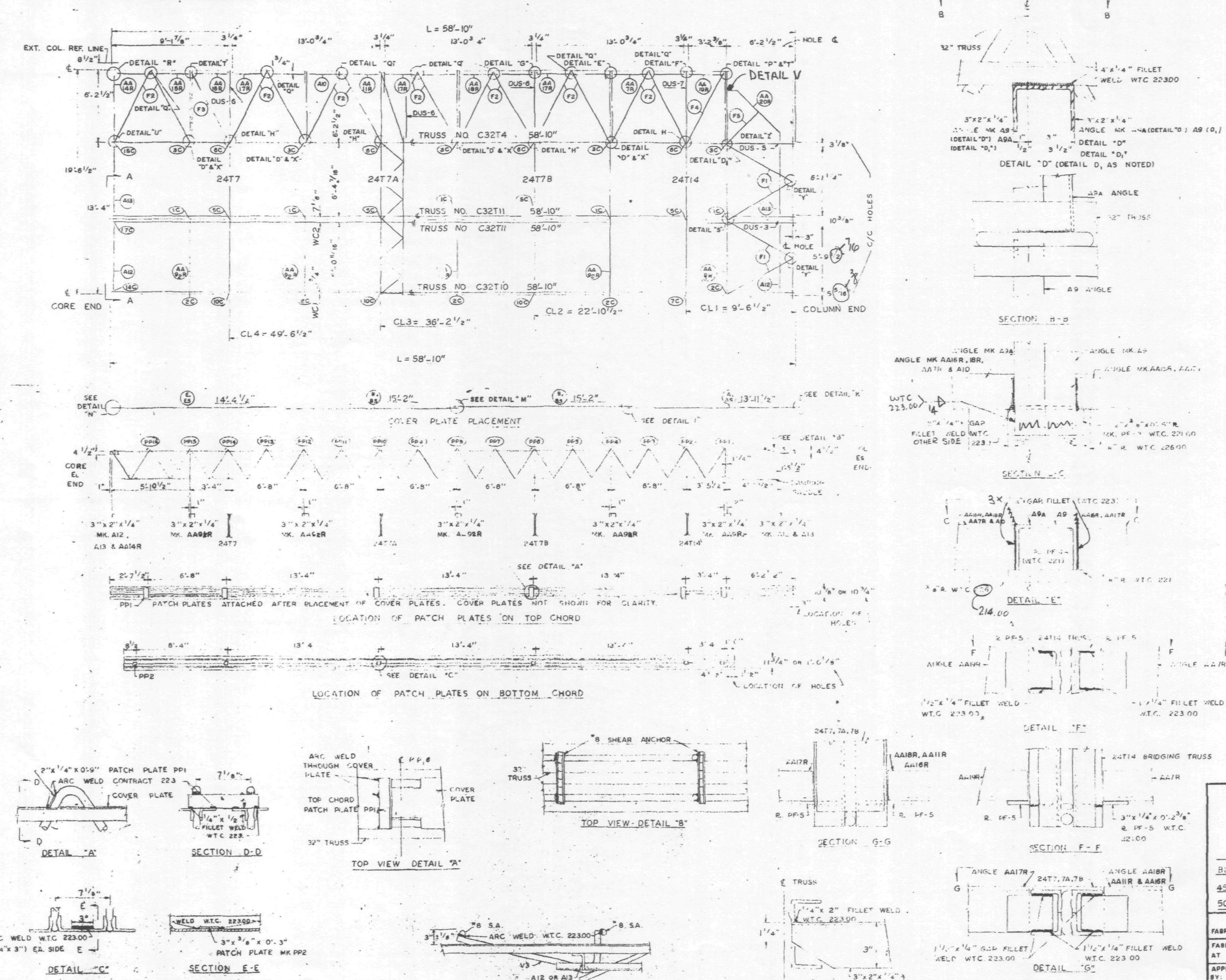
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24 26-40, 60-66, 68-74, 93-106 (NORTH & SOUTH)
50-58, 79 (81) (SOUTH) 91 PANEL F1 19'-6" x 58'-10"
46-58, 84-91 (NORTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-13 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: [illegible] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F1

LETTERS & NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e. (1C), SHOWN ON SHEETS CD 201, CD 202, CD 204 & CD 205 THRU CD 207.



NOTE. 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL.
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS.
3. SEE SHEET FP-F1-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T10	1	C32T10 - 58'-10"	ST 210
	T11	2	C32T11 - 58'-10"	ST211
	T4	1	C32T4 - 58'-10"	ST 204
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT 207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT 214
3"x2"x1/4" ANGLES	A10	[illegible]	3"x2"x1/4"x 2'-[illegible] 5/16"	ST404
	A13	2	3"x[illegible]"x1/4"x6'-3 7/16"	ST404
	A12	2	3"x2"x1/4"x5'-11" [illegible]/16"	ST404
ANGLE ASSEMBLY	AA7R	1	SEE REF. DRWG.	ST406
	AA9R	1	SEE REF. DRWG.	ST406
	AA62R	4	SEE REF. DRWG.	ST406
	AA11R	1	SEE REF. DRWG.	ST406
	AA14R	1	SEE REF. DRWG.	ST406
	AA15R	1	SEE REF. DRWG.	ST406
	AA16R	1	SEE REF. DRWG.	ST406
	AA17R	3	SEE REF. DRWG.	ST406
	AA18R	1	SEE REF. DRWG.	ST406
	AA19R	1	SEE REF. DRWG.	ST406
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x 6'-8"	ST402
	F2	14	1 1/2"x5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x5/8"x 7'-0"	ST402
	F5	1	1 1/2"x5/8"x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x1/4"x 0'-9"	ST400
	PP2	6	3"x3/8"x 0'-3"	ST400
COVER PLATES	A	1	9 x.0135"x13'-11 1/2"	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	As	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	Bs	2	3 1/2"x.0135"x15'-2"	ST303
	Es	1	3 1/2"x.0135"x14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x3 1/2"x3/8"x4'-4 7/8"	ST298
MISC. PLATES	PF-1	2	1 1/2"x1/2"x 0'-4"	ST400
	PF-3	5	3 1/2"x3/8"x 0'-[illegible]"	ST400
	PF-4	5	3 1/2"x1/4"x0'-2 3/4"	ST400
	PF-5	6	3"x1/4"x 0'-2 3/8"	ST400
	PF-6	2	2 1/4"x1/4"x 0'-4 1/2"	ST401
CORNER ANGLE ASSEMBLY	AA20R	1	SEE REF. DRWG	ST405
	PF7	1	2 1/4 x 1/4 x 6	
	PF8	1	3 x 3/8 x 4	

9/16/68 SK

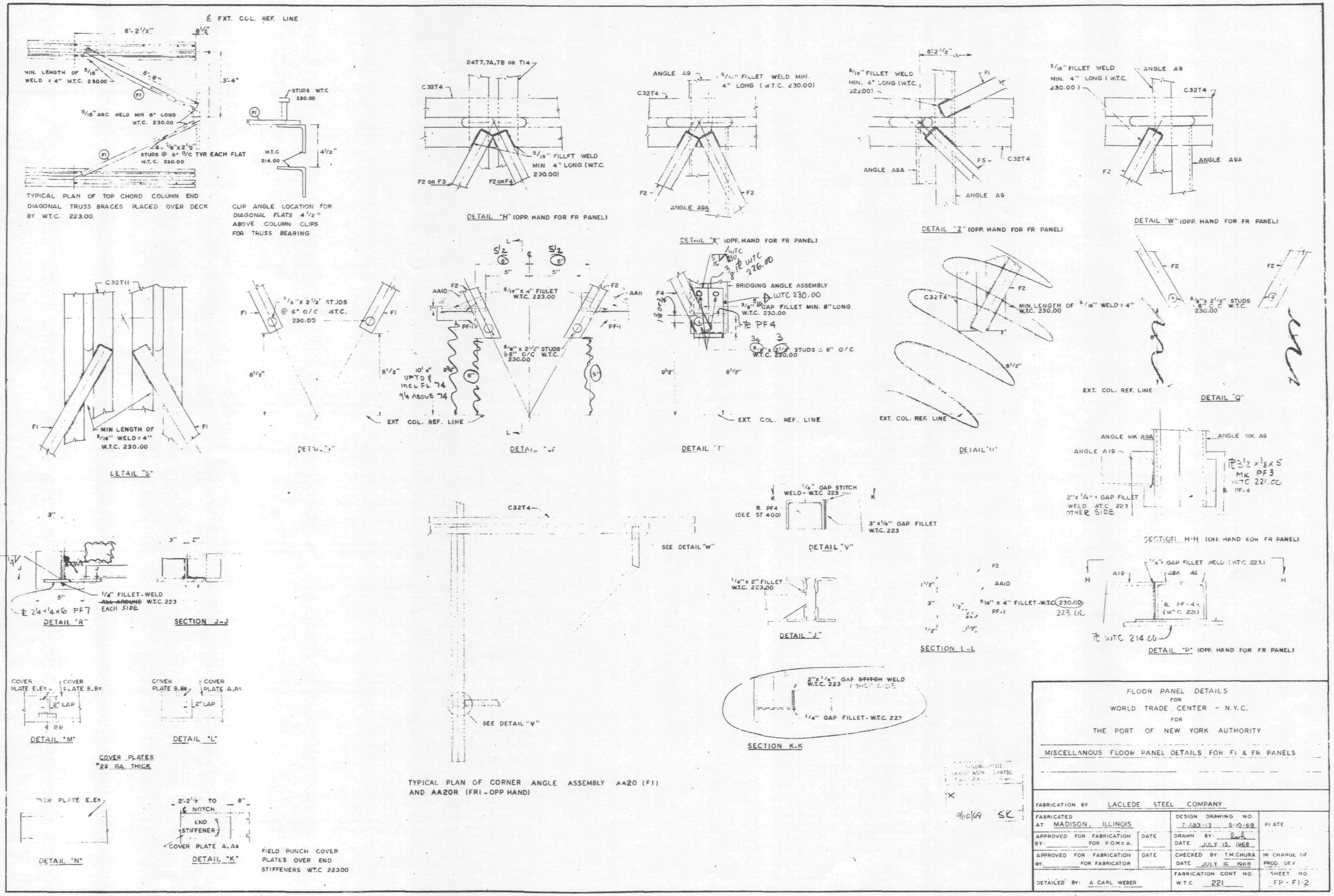
REF. DRWG			
		SA-124	10-20-67
7-AB1-[illegible]	5-10-68	7-AB4-14,14.1	1-3-68
7-AB1-9	5-10-68	7-AB4-15,16	5-6-68
7-AB1-10	5-10-68	7-AB4-21	1-3-68
7-AB2-2	4-1-68	7-AB4-23-25	4-1-68
7-AB2-9	4-1-68	7-AB4-29,36.2	4-1-68
7-AB3-2	1-3-68	7-AB4-39-41,43	1-3-68
7-AB3-13	5-10-68	7-AB4-42	4-1-68
7-AB4-3,3.1,4	1-3-68	7-AB4-45,47,47.1	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER ~ N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40, 60-66, 68-74, 93-100 (NORTH & SOUTH)
45-58, 84-91 (NORTH) PANEL FR1 19'-6" x 58'-10"
50-58, 80-91 (SOUTH)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-14 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: [illegible] DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JULY 16, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARE WEBER LACLEDE STEEL CO.		FABRICATION CONT. NO W.T.C. 221	SHEET NO. FP-FR1

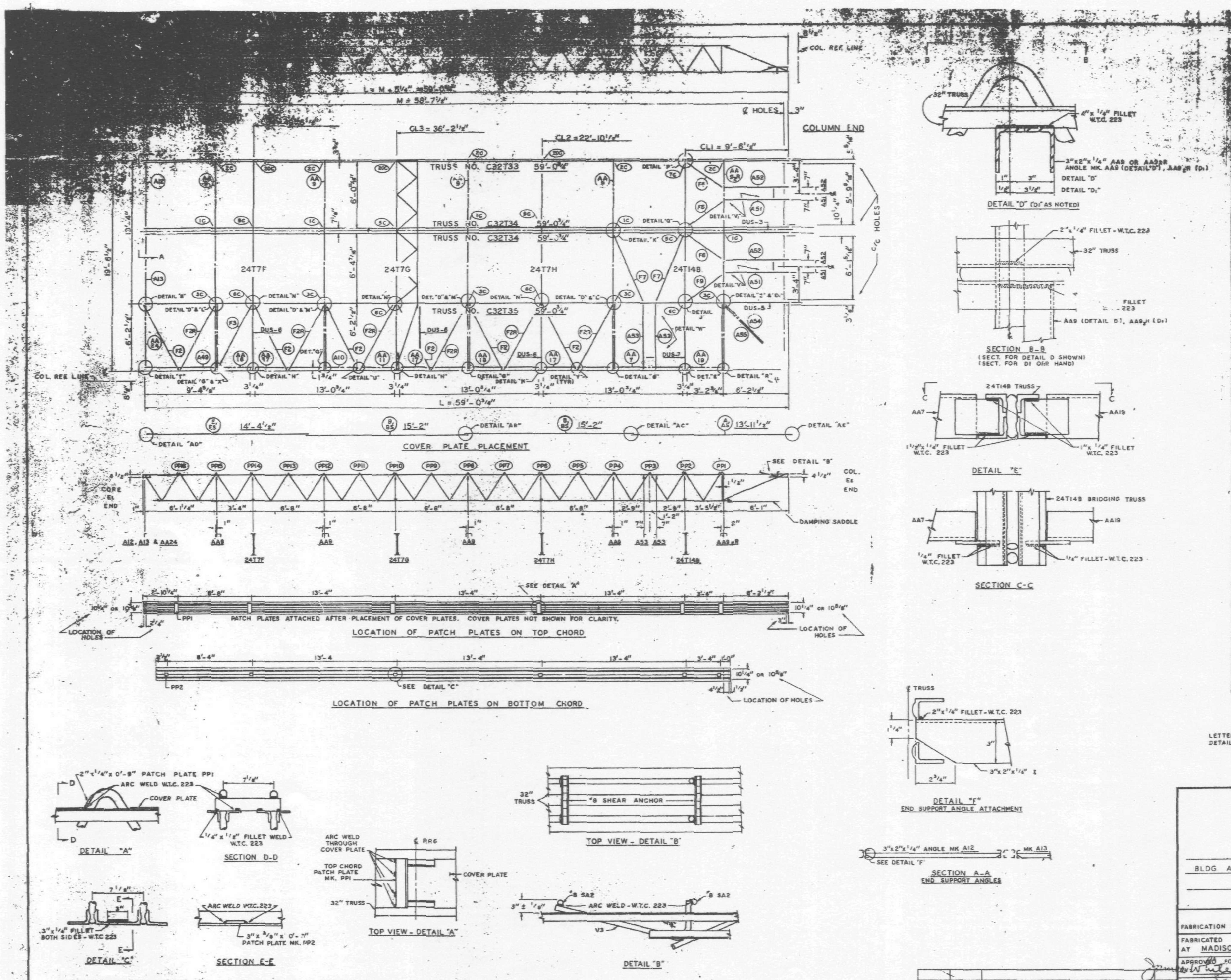


FLOOR PANEL DETAILS
FOR
WORLD TRADE . CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR F1 & FR PANELS

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-483-13 5-10-68	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE	DRAWN BY: lwh DATE JULY 15, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE	CHECKED BY: T.M.CHURA DATE JULY 16 1968	IN CHARGE OF PROD. DEV
DETAILED BY: A CARL WEBER	FABRICATION CONT. NO. W.T.C 221	SHEET NO FP - F1-2



	Mark	No.	Size	Ref.
BRIDGING	[illegible]	[illegible]	[illegible]	[illegible]
3"x2"x 1/4" ANGLES	A51	[illegible]	[illegible]	[illegible]
	A52	[illegible]	[illegible]	[illegible]
	A53	2	[illegible]	[illegible]
	A54	1	[illegible]	[illegible]
	A55	1	3"x2"x1/4"x4'-[illegible]	ST [illegible]
ANGLE ASSEMBLY	AA7	1	SEE REF. DRWG.	ST 404
	AA9	4	SEE REF. DRWG.	ST 404
	AA9R	1	SEE REF. DRWG.	ST 404
	AA11	1	SEE REF. DRWG.	ST 404
	AA16	1	SEE REF. DRWG.	ST 404
	AA17	3	SEE REF. DRWG.	ST 404
	AA18	1	SEE REF. DRWG.	ST 404
	AA19	1	SEE REF. DRWG.	ST 404
	AA24	1	SEE REF DRWG.	ST 412
DIAGONAL FLATS	F2	6	1 1/2"x 5/8"x 6'-10 1/2"	ST 402
	F2R	6	1 1/2"x 5/8"x 6'-10 1/2"	ST 402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST 402
	F6	3	1 1/2"x 5/8"x 4'-2 3/4"	ST 415
	F7	2	1 1/2"x 5/8"x 7'-0"	ST 415
	F9	1	1 1/2"x 5/8"x 4'-8 1/2"	ST 415
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST 400
	PP2	6	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	1	9"x .0135"x 13'-11 1/2"	ST 303
	B	2	9"x .0135"x 15'-2"	ST 303
	E	1	9"x .0135"x 14'-4 1/2"	ST 303
	As	1	3 1/2"x .0135"x 13'-11 1/2"	ST 303
	Bs	2	3 1/2"x .0135"x 15'-2"	ST 303
	Es	1	3 1/2"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	9	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	7	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C3	1	3"x 2"x .37"x 0'-3"	ST 418
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x [illegible]"x 3'-[illegible]	ST 298
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6[illegible]	ST 299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4[illegible]	ST 299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4[illegible]	ST 299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST 400
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST 400
	PF-12	2	6 1/2"x 1/2"x 1'-0"	ST 416
	PF-13	2	1"x 1/4"x 1'-0"	ST 416
	PF-14	2	3"x 1/4"x 0'-7"	ST 416
	PF-15	2	1 1/2"x 1/2"x 0'-2"	ST 416
	PF-16	2	8 1/4"x 1/2"x 0'-2"	ST 416
	PF-17	2	2"x 1/4"x 3 1/2"	ST 416
	PF-18	3	2"x 1/4"x 1'-1 3/8"	ST 416
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 204 & CD 229, i.e. (1C)

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
SEE SHEET FP-F8-2 OR FP-F8-3 FOR DETAILS CALLED BUT NOT SHOWN ON THIS SHEET.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FILLET.
STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

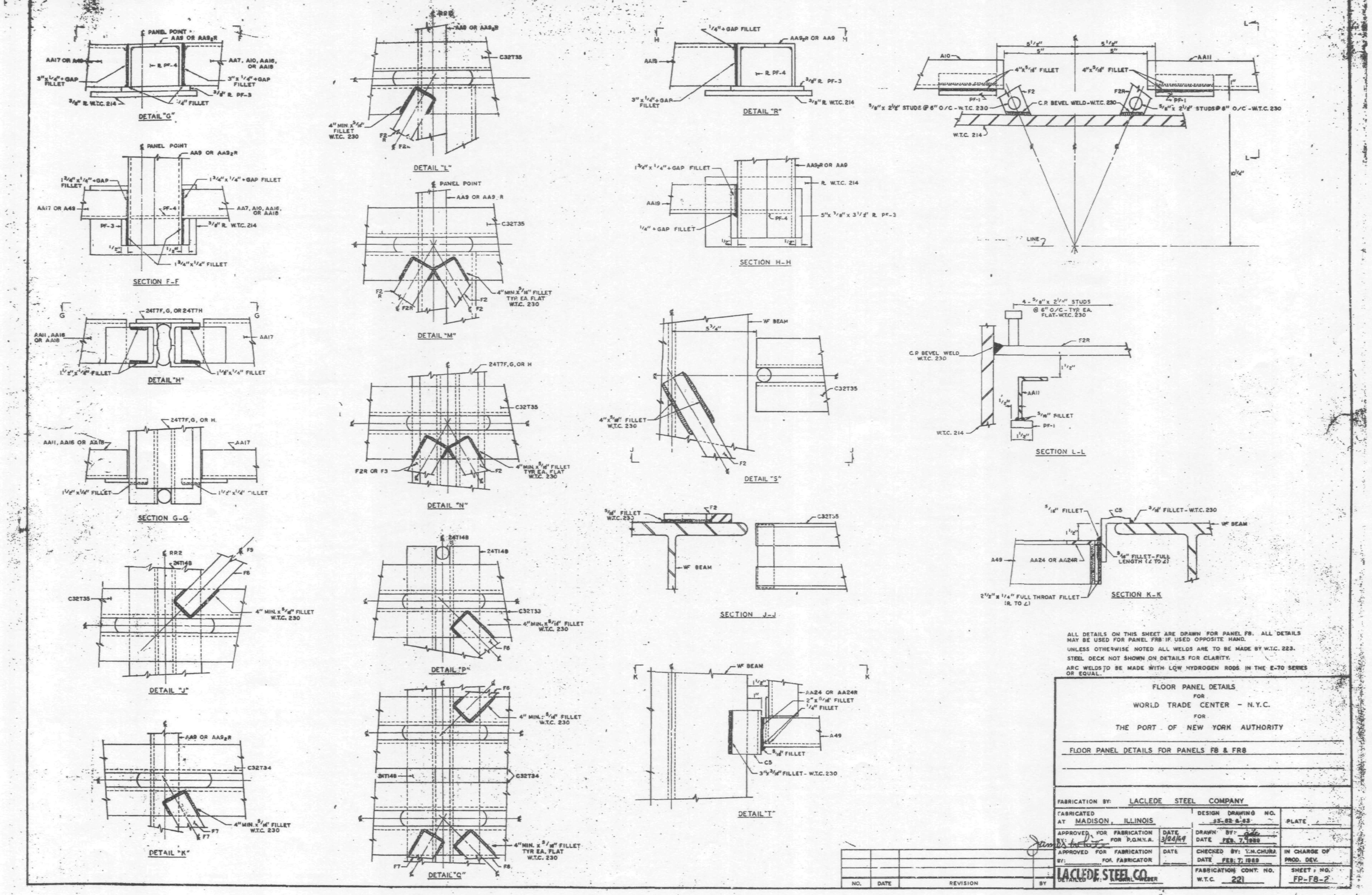
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 44 (SOUTH)

PANEL F8 19'-6" x 59'-0 3/4"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-62	PLATE 1
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 3/24/69	DRAWN BY: gdc DATE FEB. 7, 1969	
APPROVED FOR FABRICATION BY: ______ FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE FEB. 7, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO: FP-F8



ALL DETAILS ON THIS SHEET ARE DRAWN FOR PANEL F8. ALL DETAILS MAY BE USED FOR PANEL FR8 IF USED OPPOSITE HAND.

UNLESS OTHERWISE NOTED ALL WELDS ARE TO BE MADE BY W.T.C. 223.

STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

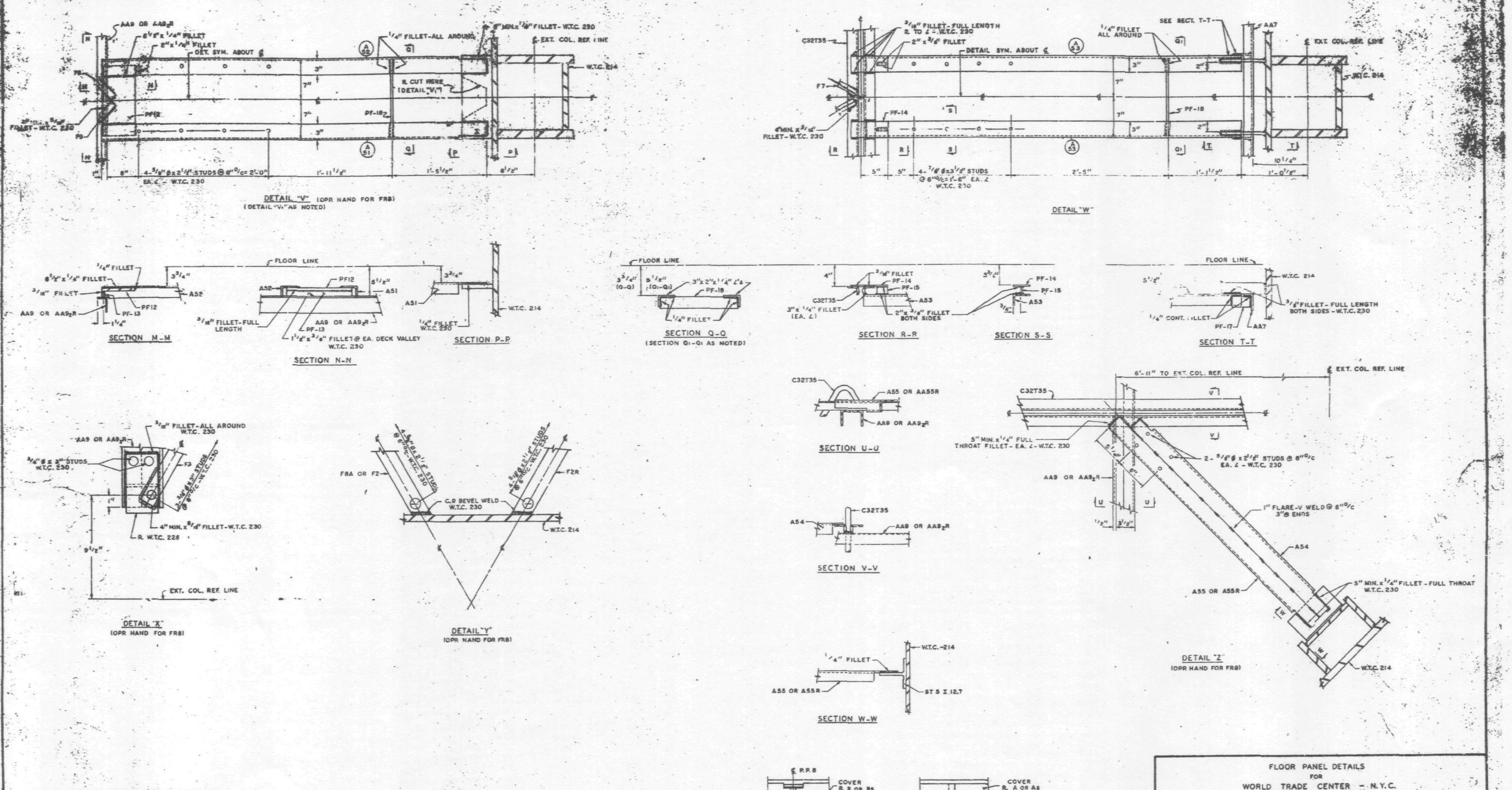
ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

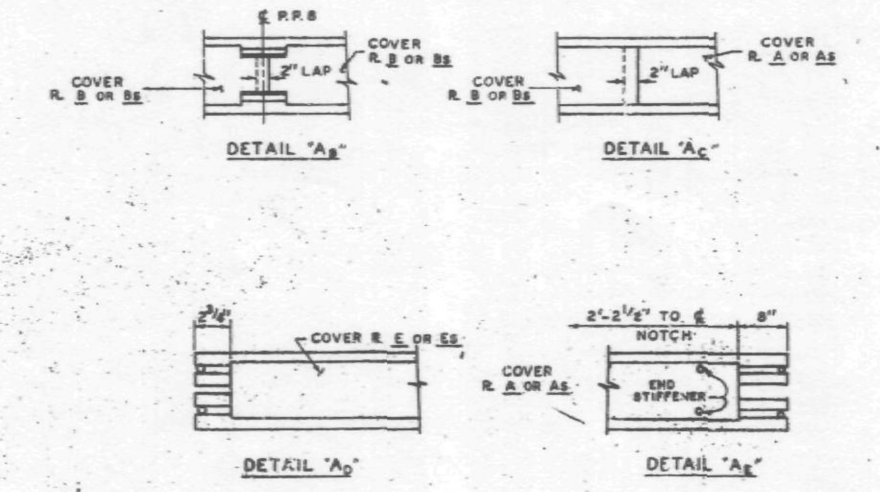
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

FLOOR PANEL DETAILS FOR PANELS F8 & FR8

FABRICATION BY: LACLEDE STEEL COMPANY		
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 33-82 & 83	PLATE
APPROVED FOR FABRICATION BY: [signature] FOR P.O.N.Y.A. — DATE 3/24/69	DRAWN BY: [signature] DATE FEB. 7, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR — DATE	CHECKED BY: T.M.CHURA DATE FEB. 7, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: ... WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F8-2

NO.	DATE	REVISION	BY





ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS OTHERWISE NOTED ALL ARC WELDS BY W.T.C. 223.
STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

REF. DRWG.

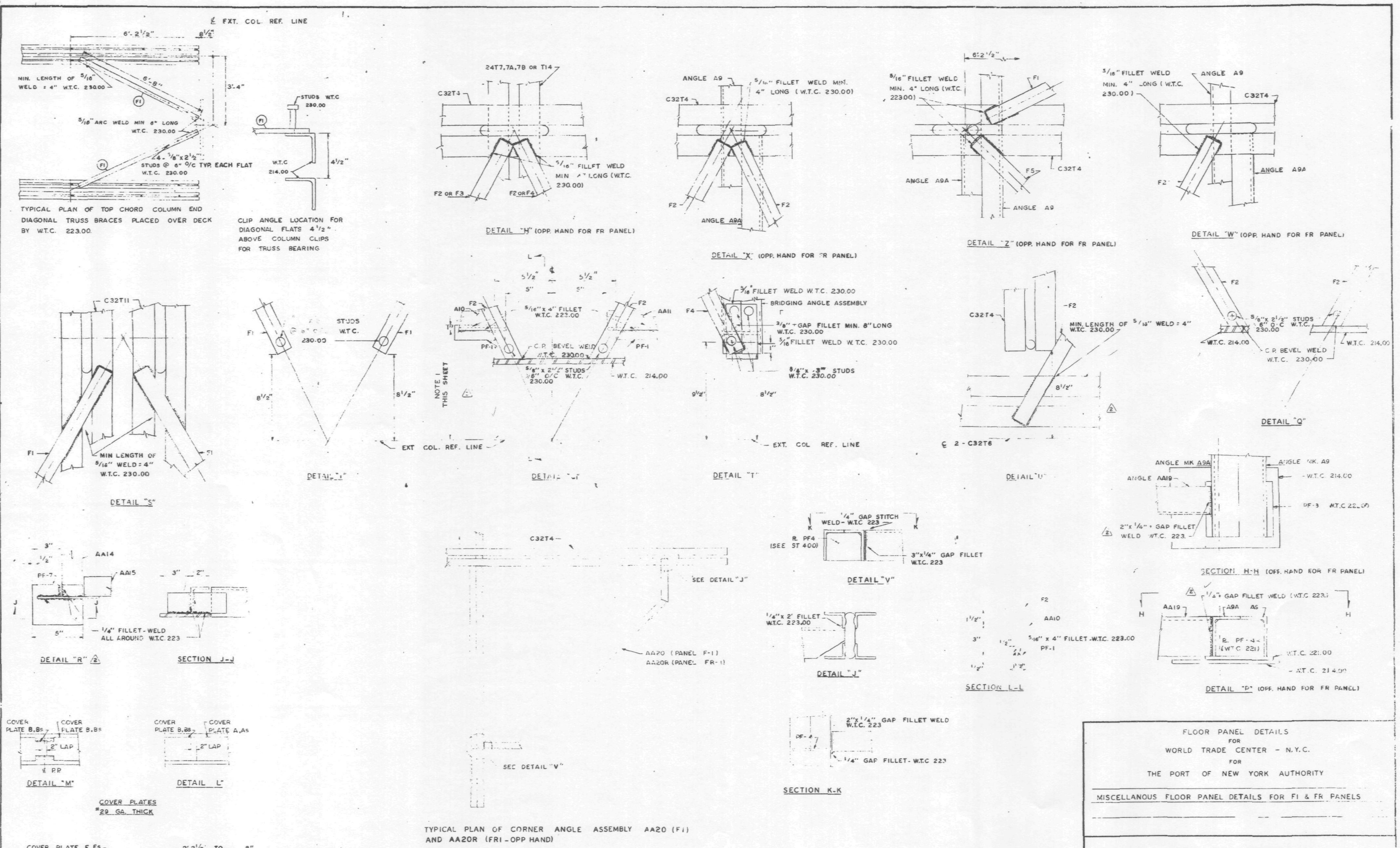
7-AB3-82	1-20-69	7-AB4-45.1	11-25-58
7-AB3-83	1-20-69	7-AB4-21	1-6-69
SA-124	1-6-69	7-AB4-22	1-6-69
7-AB1-30	1-8-69	7-AB4-22.1	7-22-69
7-AB1-31	1-8-69	7-AB4-23	7-22-69
7-AB1-46	1-8-69	7-AB4-24	10-15-69
7-AB2-18	1-8-69	7-AB4-28	7-22-69
7-AB2-8	1-8-69		
7-AB4-31.1	1-20-69		
7-AB4-34.1	1-20-69		
7-AB4-38.3	1-20-69		

NO.	DATE	REVISION	BY

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

FLOOR PANEL DETAILS FOR PANELS F8 & FR8.

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-82 & 83
PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE 3/24/69
DRAWN BY: DATE FEB. 7, 1969
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE.
CHECKED BY: T.M. CHURA DATE FEB. 7, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-F8-3



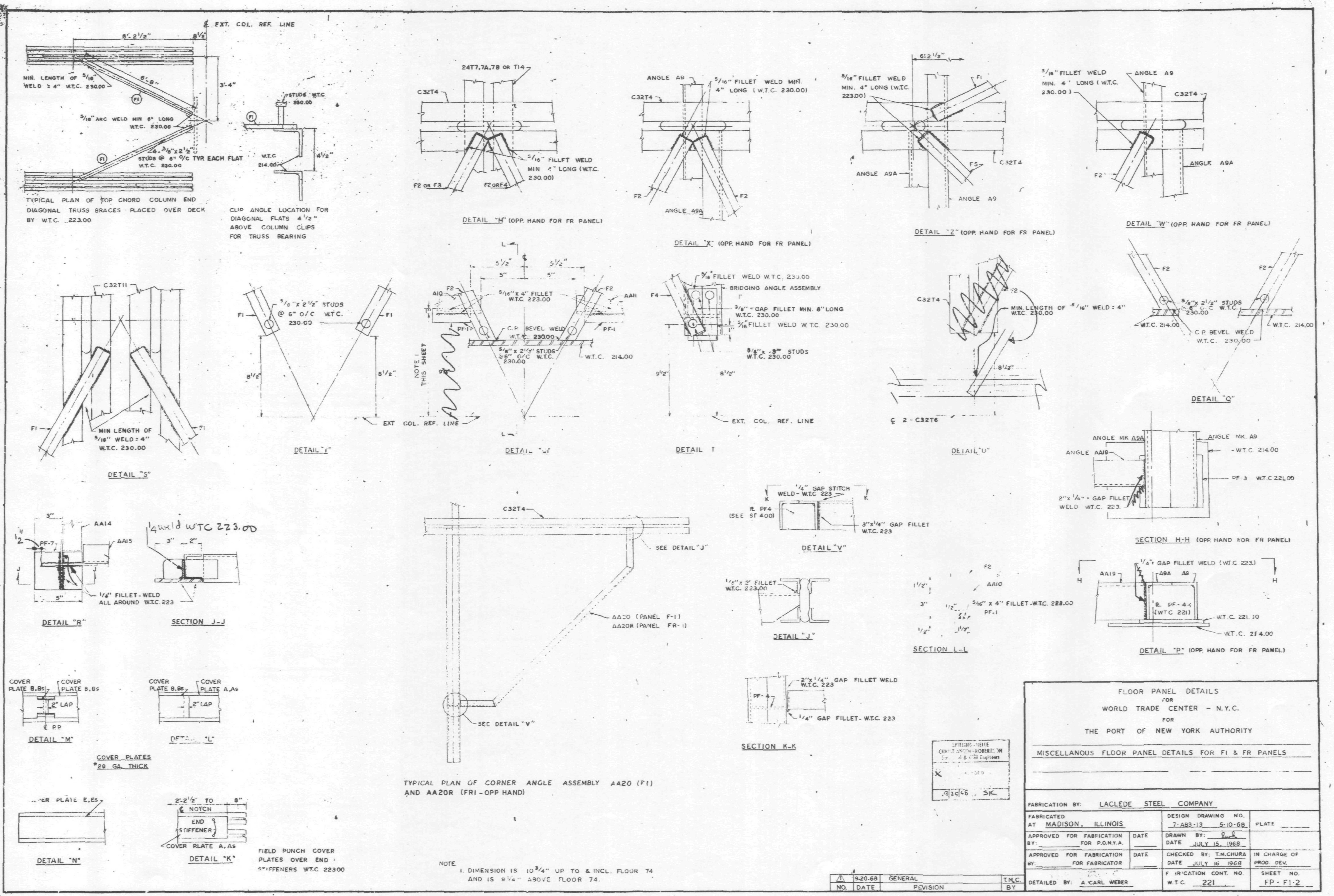
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR F1 & FR PANELS

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-13 5-10-68
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 10/7/68
DRAWN BY: DATE JULY 15, 1968
APPROVED FOR FABRICATION FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE JULY 16 1968
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO W.T.C. 221

NO.	DATE	REVISION	BY
2	9-30-68	AS NOTED	T.M.C
1	9-20-68	GENERAL	T.M.C

NOTE
1. DIMENSION IS 10 3/4" UP TO & INCL. FLOOR 74 AND IS 9 1/4" ABOVE FLOOR 74.



℄ EXT. COL. REF. LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
DETAIL "H" (OPP. HAND FOR FR PANEL)
DETAIL "X" (OPP. HAND FOR FR PANEL)
DETAIL "Z" (OPP. HAND FOR FR PANEL)
DETAIL "W" (OPP. HAND FOR FR PANEL)
DETAIL "S"
DETAIL "Q"
DETAIL "U"
SECTION H-H (OPP. HAND FOR FR PANEL)
DETAIL "V"
DETAIL "J"
SECTION L-L
DETAIL "P" (OPP. HAND FOR FR PANEL)
SECTION K-K
DETAIL "R"
SECTION J-J
DETAIL "M"
COVER PLATES #29 GA. THICK
DETAIL "N"
DETAIL "K"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C 223.00
TYPICAL PLAN OF CORNER ANGLE ASSEMBLY AA20 (F1) AND AA20R (FR1 - OPP HAND)
NOTE
1. DIMENSION IS 10 3/4" UP TO & INCL. FLOOR 74 AND IS 9 1/4" ABOVE FLOOR 74.
1 | 9-20-68 | GENERAL | T.M.C.
NO. | DATE | REVISION | BY
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
MISCELLANEOUS FLOOR PANEL DETAILS FOR F1 & FR PANELS
FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-13 5-10-68
PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE
DRAWN BY: DATE JULY 15, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE JULY 16 1968
IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-F1-2

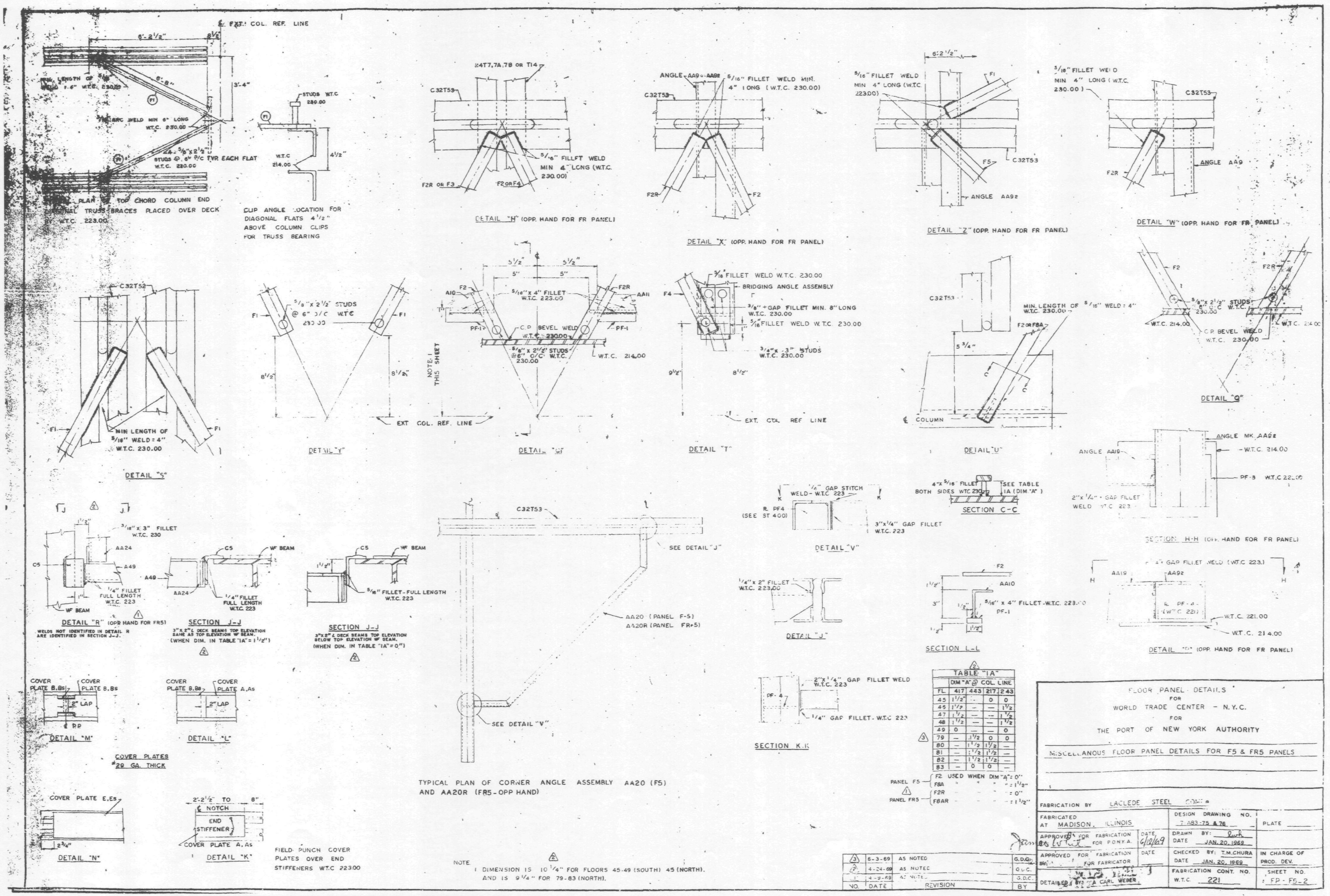


TABLE "IA"

FL.	DIM "A" @ COL. LINE 417	443	217	243
45	1 1/2"	–	0	0
46	1 1/2	—	—	1 1/2
47	1 1/2	—	—	1 1/2
48	1 1/2	—	—	1 1/2
49	0	—	—	0
79	—	1 1/2	0	0
80	—	1 1/2	1 1/2	—
81	—	1 1/2	1 1/2	—
82	—	1 1/2	1 1/2	—
83	—	0	0	—

PANEL F5 — F2 USED WHEN DIM "A" = 0"; F8A " " " = 1 1/2"
PANEL FR5 — F2R " " " = 0"; F8AR " " " = 1 1/2"

NO.	DATE	REVISION	BY
3	6-3-69	AS NOTED	G.D.G.
2	4-24-69	AS NOTED	G.D.C.
1	4-9-69	AS NOTED	G.D.C.

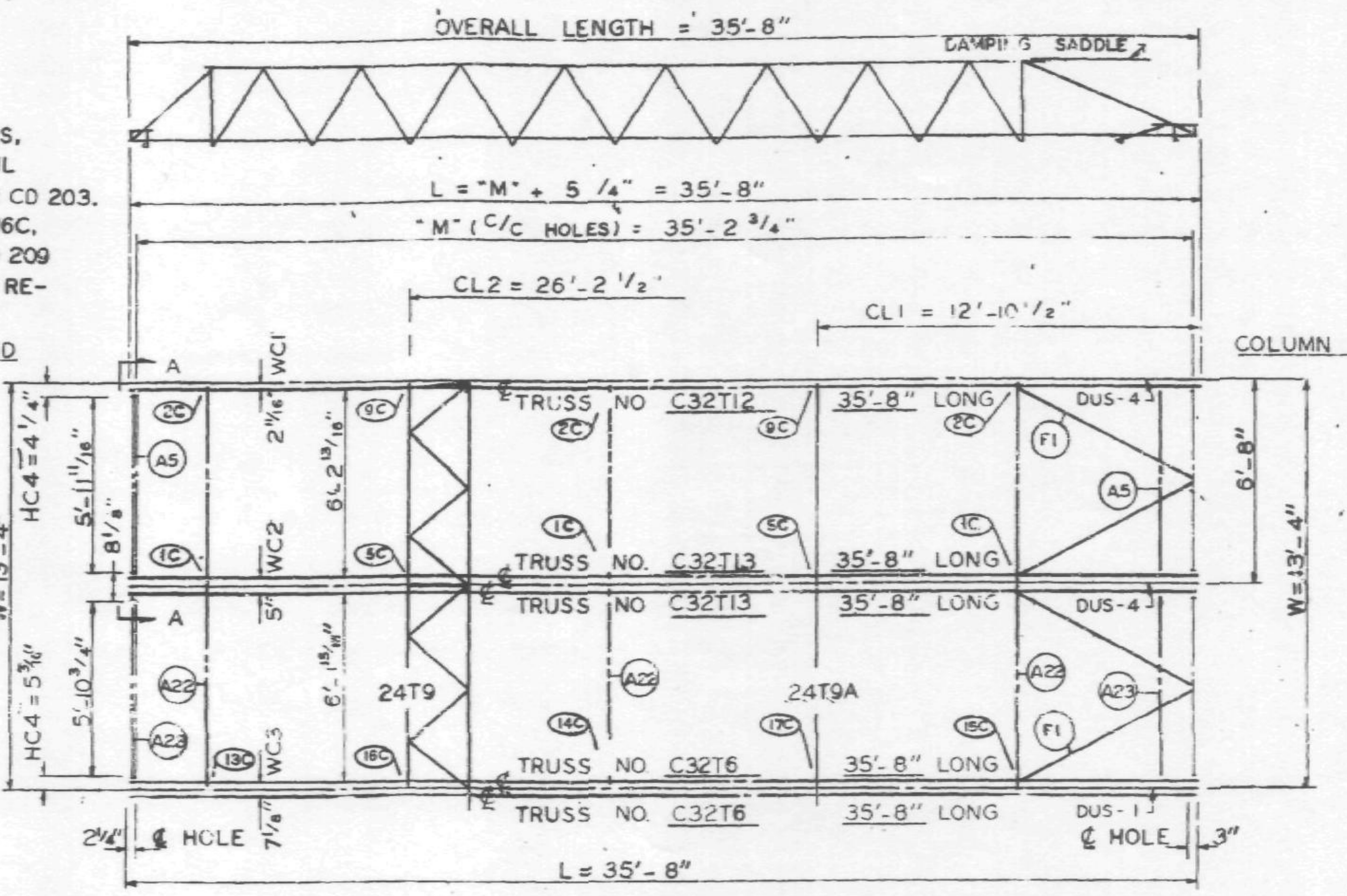
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR F5 & FR5 PANELS

FABRICATION BY LACLEDE STEEL CO.

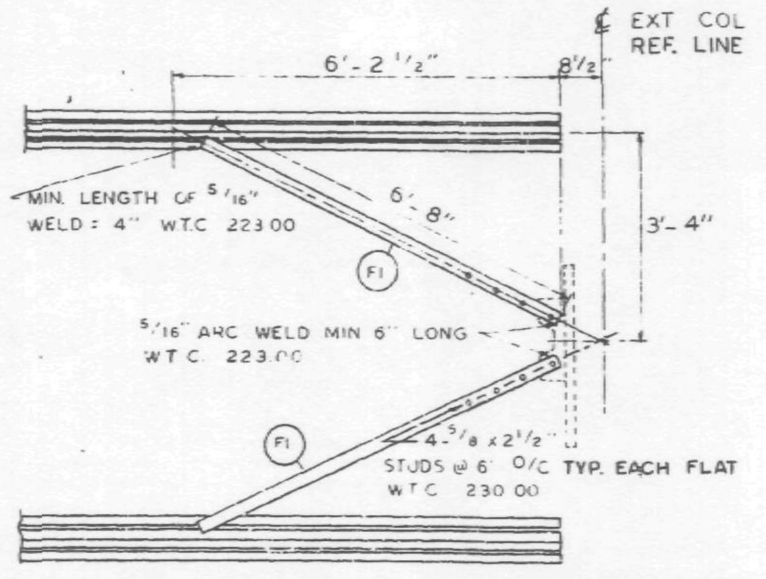
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-75 & 76	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 6/12/69	DRAWN BY: DATE JAN. 20, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 20, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F5-2

LETTERS AND NUMBERS IN ELLIPSES, ie. (15), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201, CD202 OR CD 203. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209 CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.

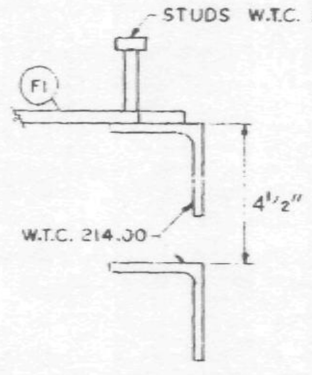


PANEL G1 SIZE 13'-4" x 35'-8"

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.



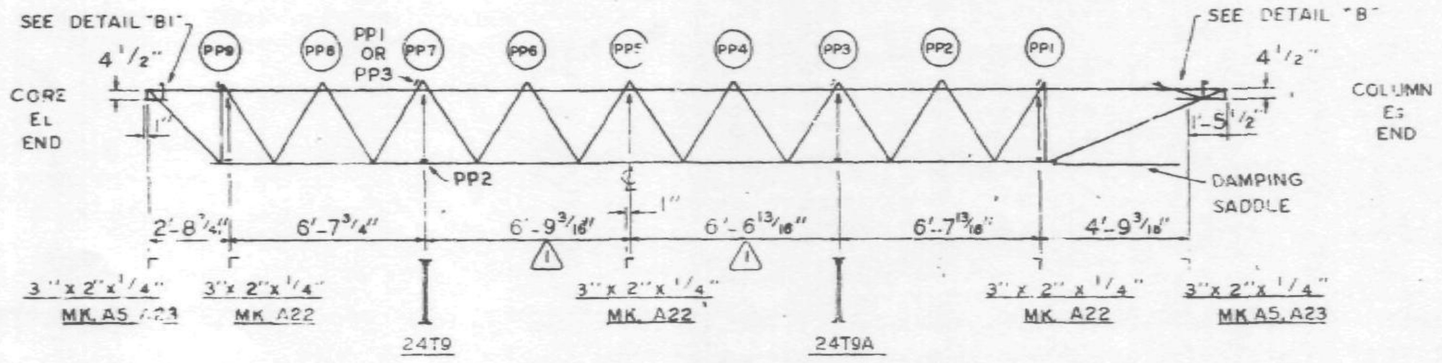
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00



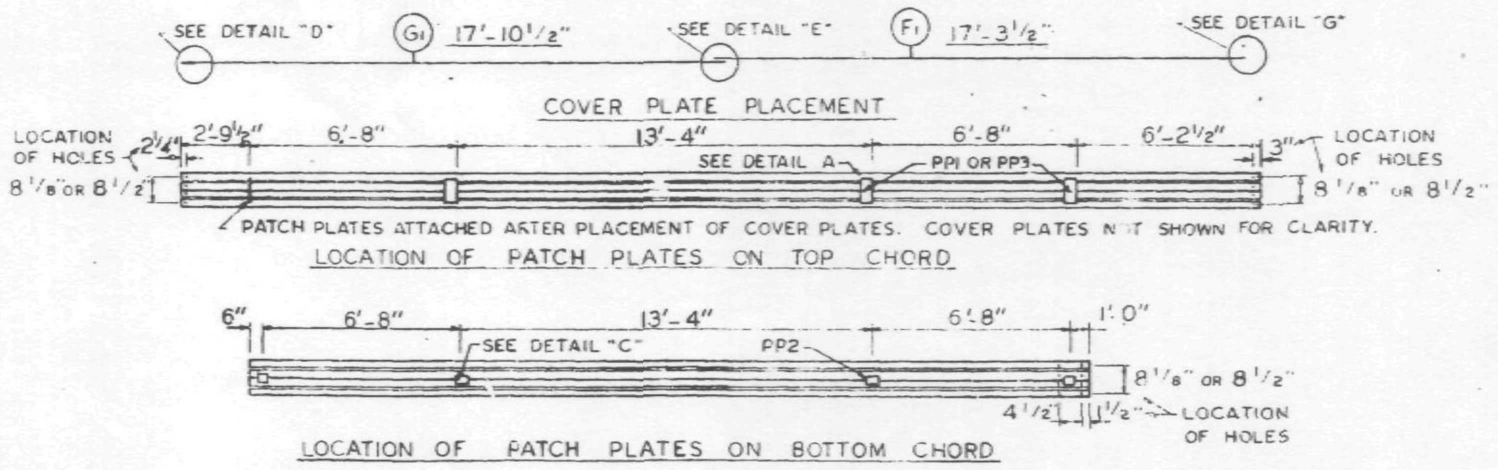
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 206
	T12	1	C32T12 - 35'-8"	ST 212
	T13	2	C32T13 - 35'-8"	ST 213
BRIDGING TRUSSES	T9	1	24T9 - 13'-2 3/4"	BT 209
	T9A	1	24T9A - 13'-2 3/4"	BT 209A
3"x2"x1/4" ANGLE	A5	2	3"x2"x1/4"x8'-1 13/16"	ST 403
	A22	3	3"x2"x1/4"x13'-3 1/2"	ST 405
	A23	2	3"x2"x1/4"x6'-0 7/8"	ST 405
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x 8'-8"	ST 402
PATCH PLATES	PP1	4	2"x1/4"x 0'-9"	ST 400
	PP2	8	3"x3/8"x 0'-3"	ST 400
	PP3	4	2"x1/4"x 0'-7"	ST 400
COVER PLATES	G1	1	7"x 0.135"x 17'-10 1/2"	ST 303
	F1	1	7"x 0135"x 17'-3 1/2"	ST 303
	G	1	9"x.0135"x 17'-10 1/2"	ST 303
	F	1	9"x.0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C1	2**	2"x1 1/2"x1/4"x 6"	ST 400
	C2	6**	2 1/2"x1 1/2"x1/4"x 6"	
(3)	C1	8*	2"x 1 1/2" x1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
	SA2	3	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-4	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-1	1	3 1/2"x 3 1/2" x3/8"x 3'-6 7/8"	ST298
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	ST 271

(3) *CHANGE BECOMES EFFECTIVE AFTER FLOOR 33, TOWER A.
**UP TO FLOOR 33, TOWER A.



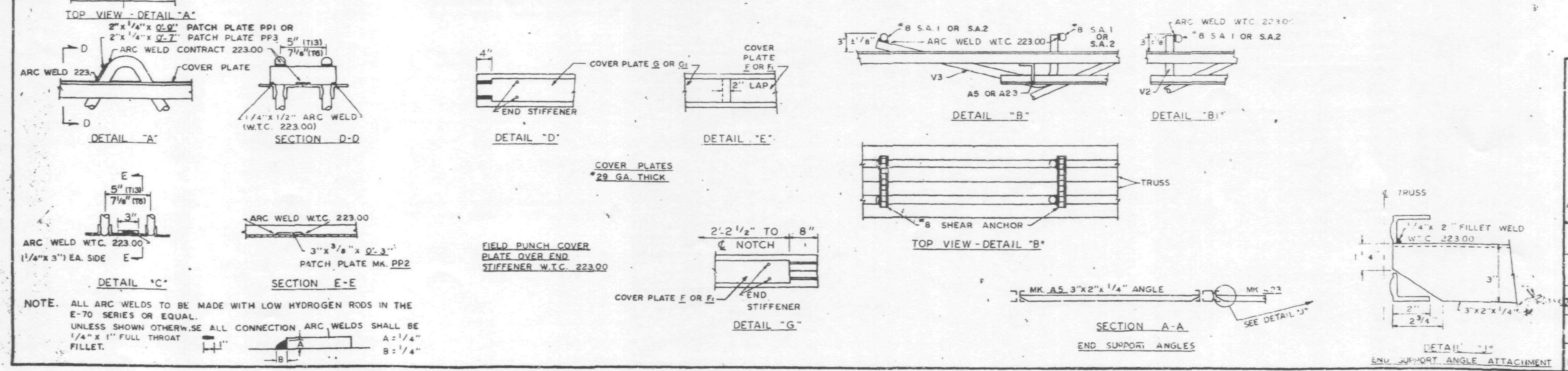
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.



COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.

NO.	DATE	REVISION	BY
3	6-3-69	AS NOTED	G.D.C.
2	4-18-69	AS NOTED	G.D.C.
1	2-21-69	AS NOTED	G.D.C.

REF. DWGS.	
AB4-3 & 31	[illegible]
7-AB4-5 & 6	5-6-68
7-AB4-39-42	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-1-68

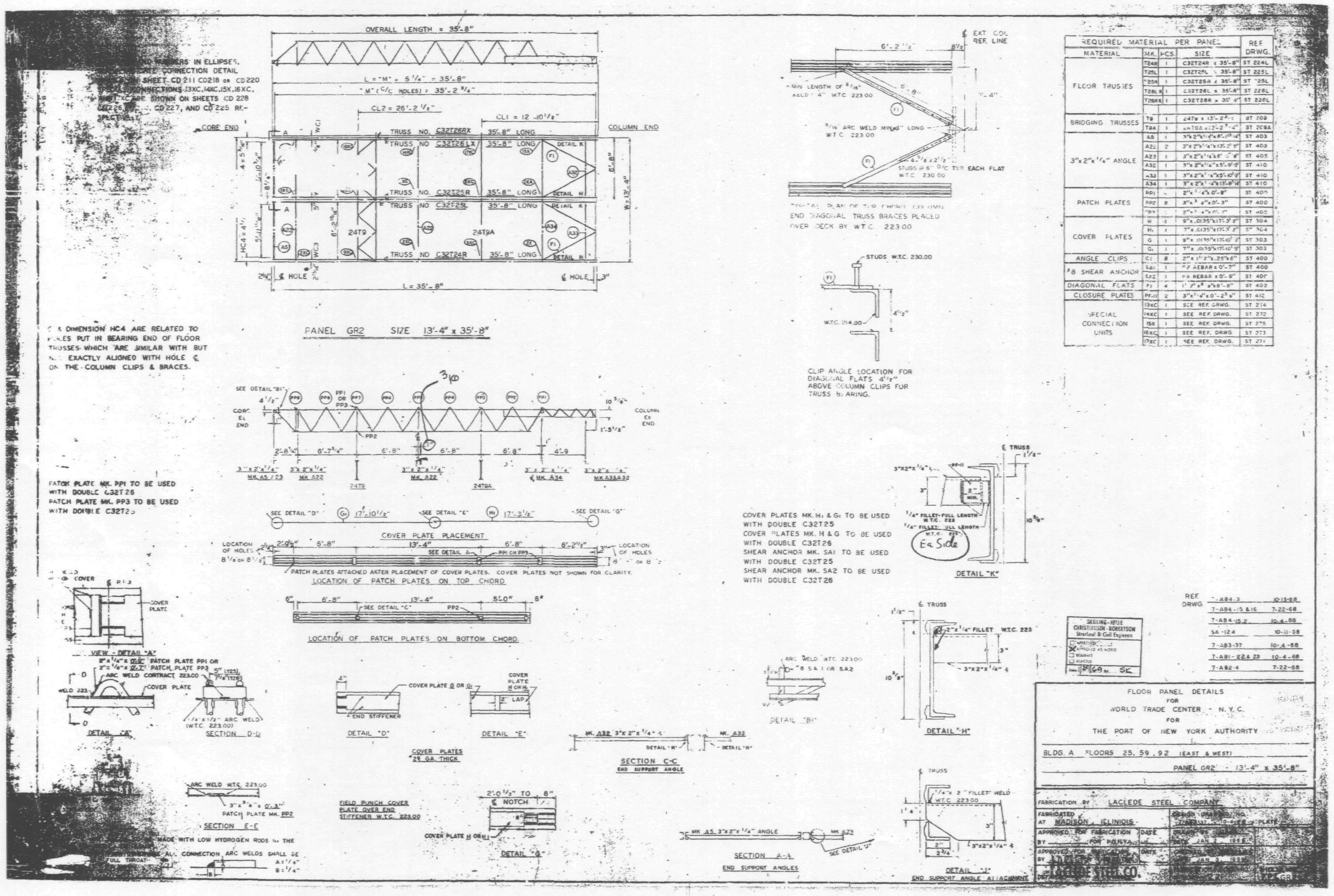


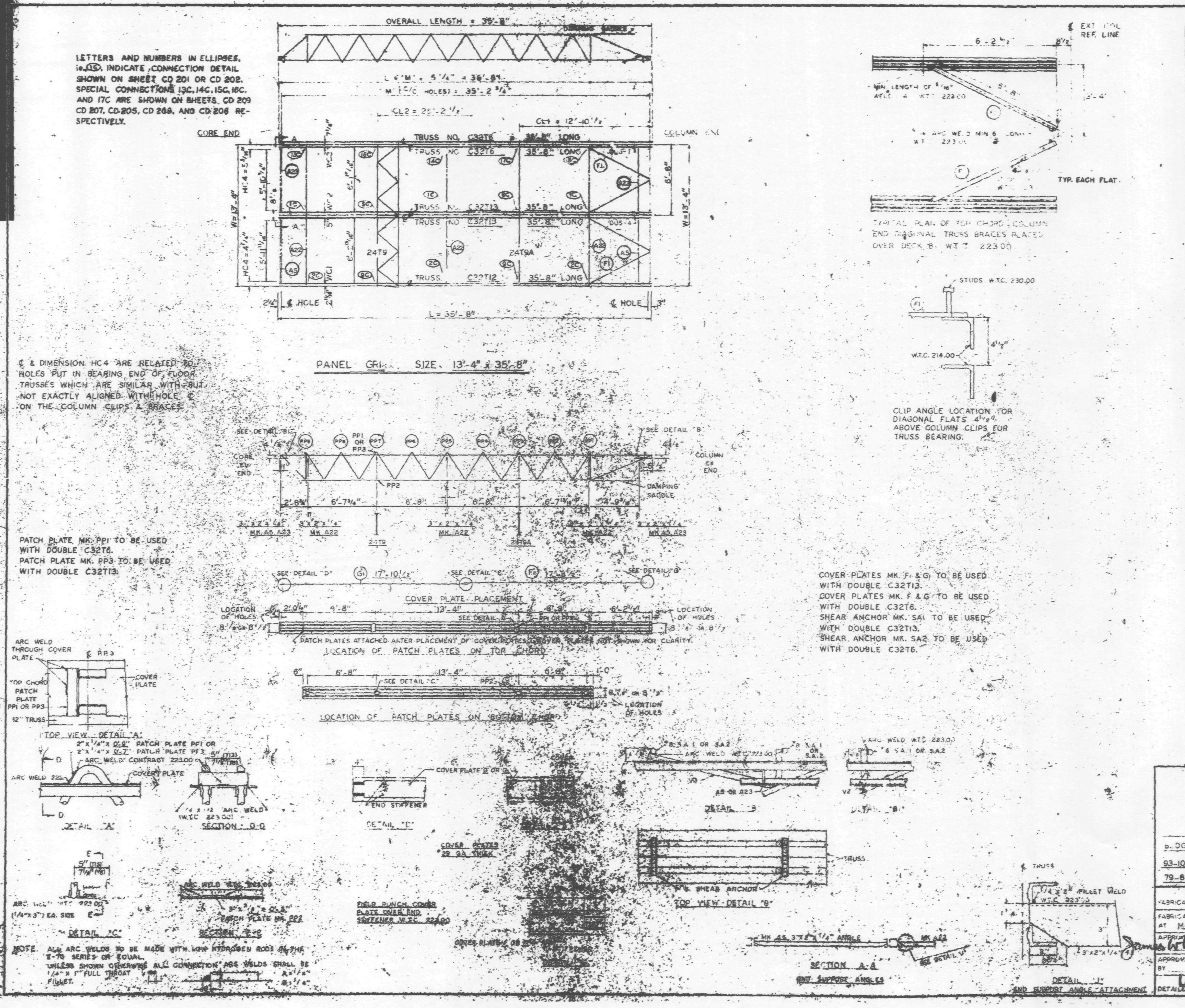
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERW. SE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4", B = 1/4"

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & 93-106 (E & W) 45-49 (W) 80-83 (E) PANEL G1 - 13'-4" x 35'-8"
(2) BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-106 (N & S) 80-83 (N) 45-49 (S)

FABRICATION BY LACLEDE STEEL COMPANY		
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-1 5-10-68	PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA — DATE 6/12/69	DRAWN BY [signature] DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE	CHECKED BY T.M. CHURA DATE APRIL 10, 1968	
DETAILED BY A.C. WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-G1


OVERALL LENGTH = 35'-8"
PANEL GR2 SIZE 13'-4" x 35'-8"
TRUSS NO. C32T26R 35'-8" LONG
TRUSS NO. C32T26L 35'-8" LONG
TRUSS NO. C32T25R 35'-8" LONG
TRUSS NO. C32T25L 35'-8" LONG
TRUSS NO. C32T24R 35'-8" LONG
CORE END
COLUMN END
L = 35'-8"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T26
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T25
COVER PLATES MK. H1 & G1 TO BE USED WITH DOUBLE C32T25
COVER PLATES MK. H & G TO BE USED WITH DOUBLE C32T26
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T25
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T26
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4'-2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
SECTION C-C
END SUPPORT ANGLE
DETAIL "B"
DETAIL "H"
DETAIL "K"
SECTION E-E
DETAIL "G"
SECTION A-A
END SUPPORT ANGLES
DETAIL "J"
REQUIRED MATERIAL PER PANEL
MATERIAL | MK. | PCS. | SIZE | REF DRWG.
FLOOR TRUSSES | T24R | 1 | C32T24R x 35'-8" | ST 224L
T25L | 1 | C32T25L x 35'-8" | ST 225L
T25R | 1 | C32T25R x 35'-8" | ST 225L
T26L | 1 | C32T26L x 35'-8" | ST 226L
T26R | 1 | C32T26R x 35'-8" | ST 226L
BRIDGING TRUSSES | T9 | 1 | ST 209
T9A | 1 | ST 209A
3"x2"x1/4" ANGLE | A5 | 1 | ST 403
A22 | 2 | ST 403
A23 | 1 | ST 405
A32 | 1 | ST 410
A33 | 1 | ST 410
A34 | 1 | ST 410
PATCH PLATES | PP1 | ST 400
PP2 | 8 | 3"x3/8"x0'-3" | ST 400
COVER PLATES | H | ST 304
H1 | 1 | ST 304
G | 1 | ST 303
G1 | 1 | ST 303
ANGLE CLIPS | C1 | 8 | ST 400
#8 SHEAR ANCHOR | SA1 | 1 | ST 400
SA2 | 1 | ST 400
DIAGONAL FLATS | F1 | 4 | ST 402
CLOSURE PLATES | 2 | ST 412
SPECIAL CONNECTION UNITS | 13XC | 1 | SEE REF. DRWG. | ST 274
14XC | 1 | SEE REF. DRWG. | ST 272
15X | 1 | SEE REF. DRWG. | ST 275
16XC | 1 | SEE REF. DRWG. | ST 273
17XC | 1 | SEE REF. DRWG. | ST 271
REF DRWG
7-AB4-15 & 16 7-22-68
7-AB4-15.2 10-4-68
SA-124
7-AB3-37 10-4-68
7-AB1-22 & 23 10-4-68
7-AB2-4 7-22-68
SKILLING-HELLE CHRISTIANSEN-ROBERTSON Structural & Civil Engineers
APPROVED AS NOTED
SK
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25, 59, 92 (EAST & WEST)
PANEL GR2 - 13'-4" x 35'-8"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.
DATE
JAN 2
APPROVED FOR FABRICATION BY
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 208
	T12	1	C32T12 - 35'-8"	ST 212
	T13	2	C32T13 - 35'-8"	ST 213
BRIDGING TRUSSES	T9	1	24T9 - 13'-2¾"	ST 209
	T9A	1	24T9A - 13'-2¾"	ST 209A
[illegible]	A5	2	[illegible] x 6'-1 13/16"	ST 403
	A22	3	[illegible]	ST 405
	A23	2	[illegible]	ST 405
DIAGONAL FLAT	F1	4	[illegible] 6'-8"	ST 402
PATCH PLATES	PP1	4	2" x ¼" x 0'-9"	ST 400
	PP2	8	3" x ⅜" x 0'-3"	ST 400
	PP3	4	2" x ¼" x 0'-7"	ST 400
COVER PLATES	G1	1	7" x .0135" x 17'-10½"	ST 303
	F1	1	7" x .0135" x 17'-3½"	ST 303
	G	1	9" x .0135" x 17'-10½"	ST 303
	F	1	9" x .0135" x 17'-3½"	ST 303
ANGLE CLIPS	C2	6	2½" x 1½" x ¼" x 6"	ST 400
	C1	2	2" x 1½" x ¼" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
	SA2	3	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-4	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-1	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	ST 271

BLDG A FLOORS [illegible] 40, 50 [illegible] 68-74, 84-91 & 93-106 (EAST & WEST) 79-83 (WEST) 46-49 (EAST)

PANEL GR1 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-16 5-10-68 PLATE

APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 8/16/68

DRAWN BY [illegible] DATE APRIL [illegible] 1968

APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE APRIL [illegible] 1968

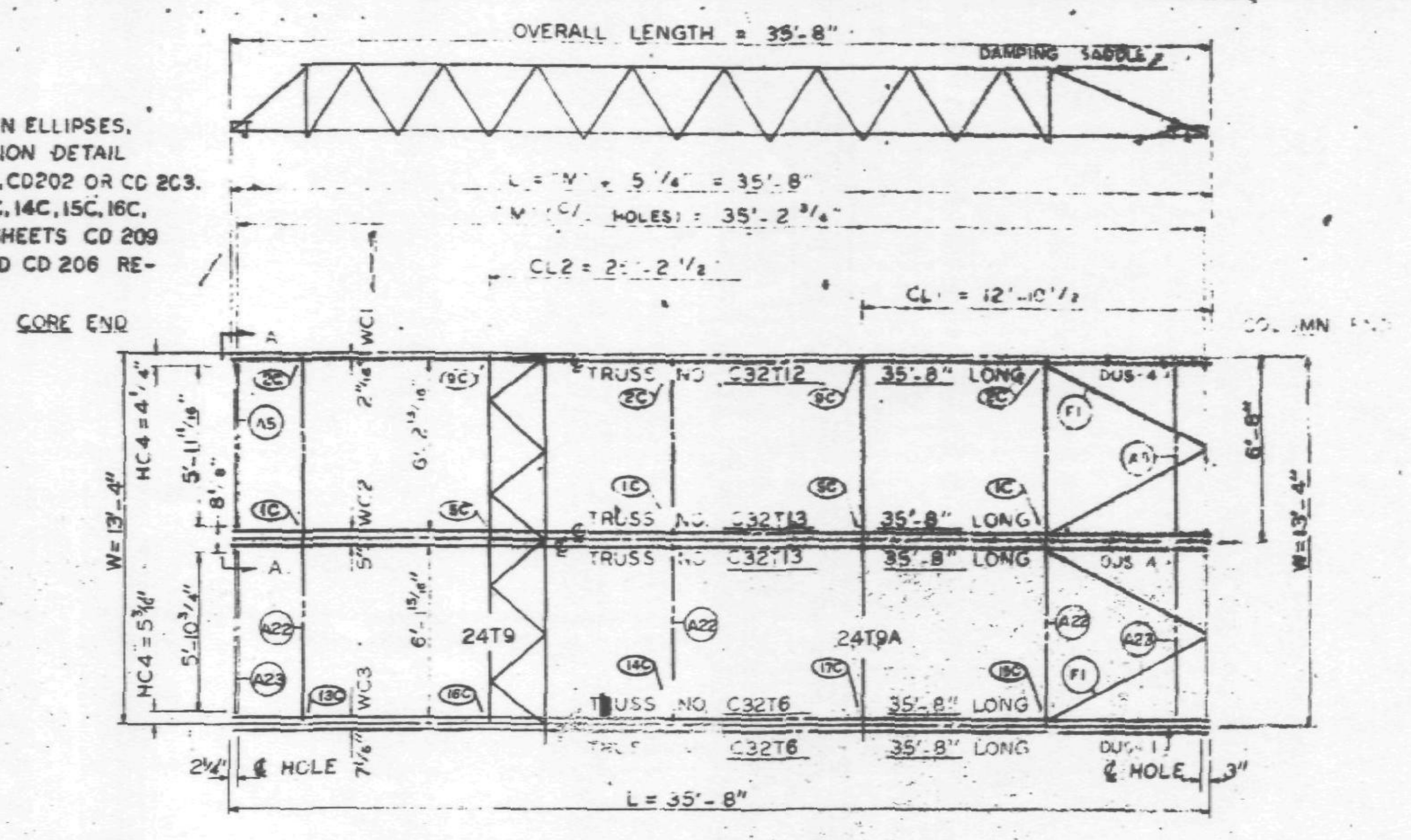
LACLEDE STEEL CO.

DETAILED BY A.C. WEBER

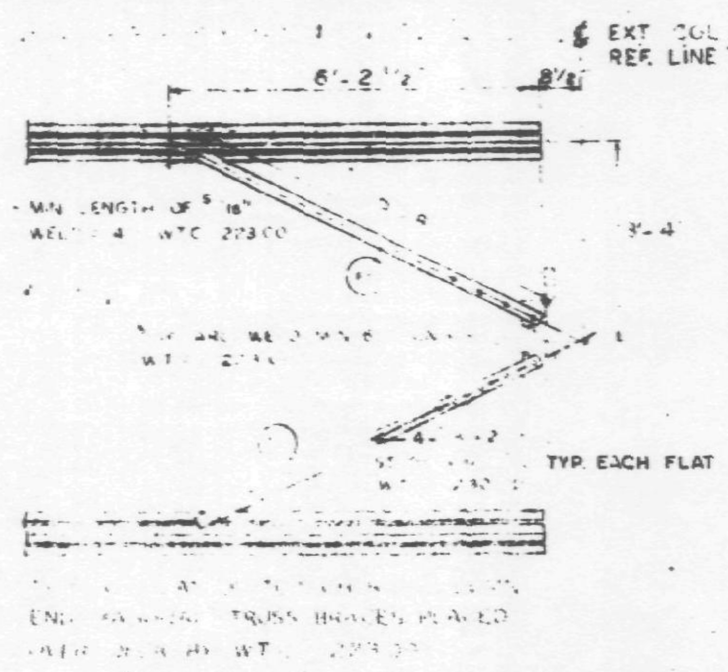
FABRICATION CONT. NO. W.T.C. 221

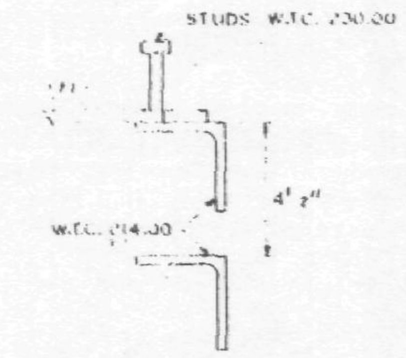
SHEET NO. FP-GR1

LETTERS AND NUMBERS IN ELLIPSES, i.e. (13C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201, CD202 OR CD 203. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209 CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.



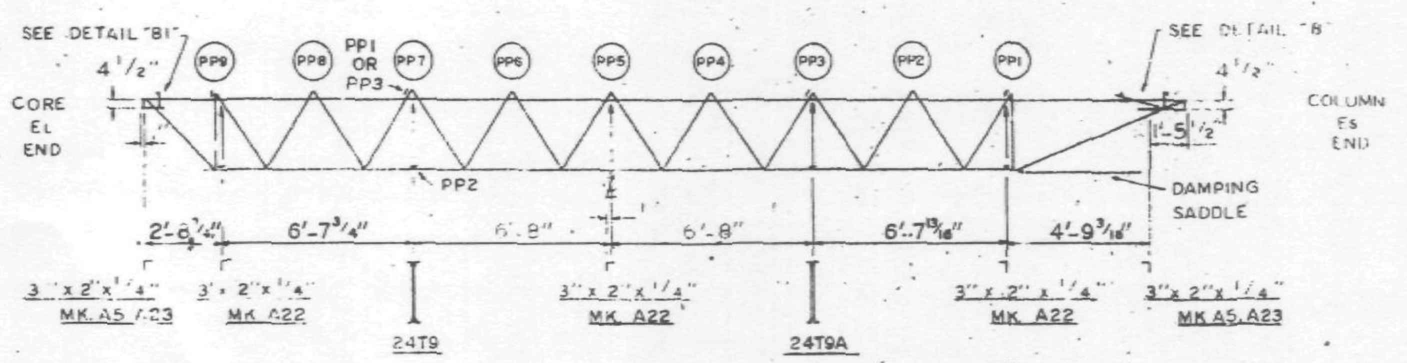
PANEL G1 SIZE 13'-4" x 35'-8"



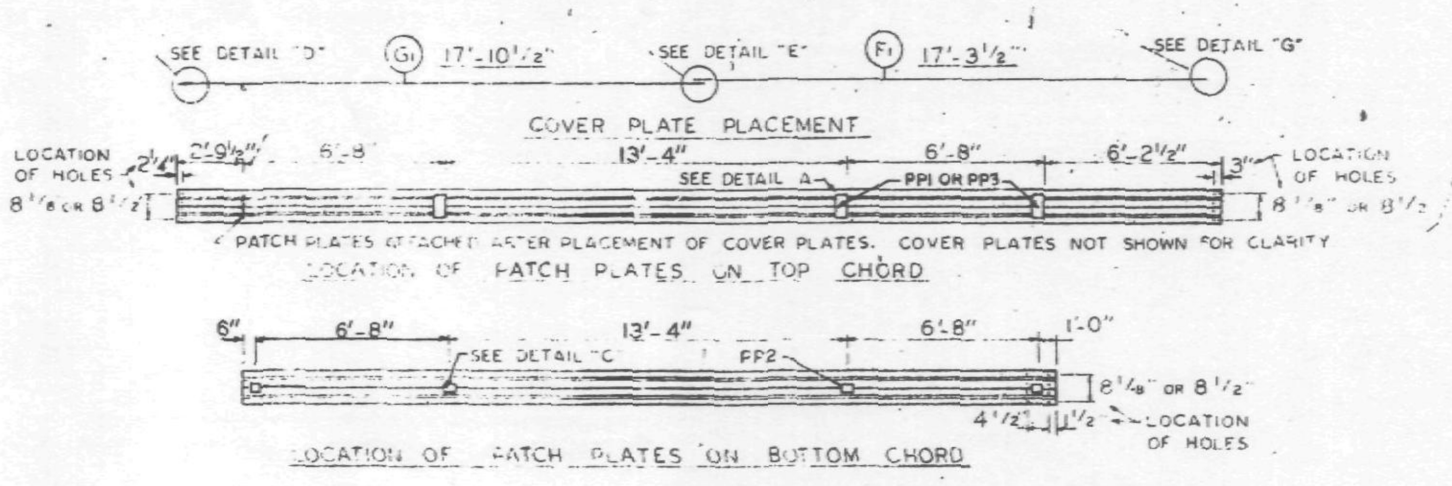


CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING

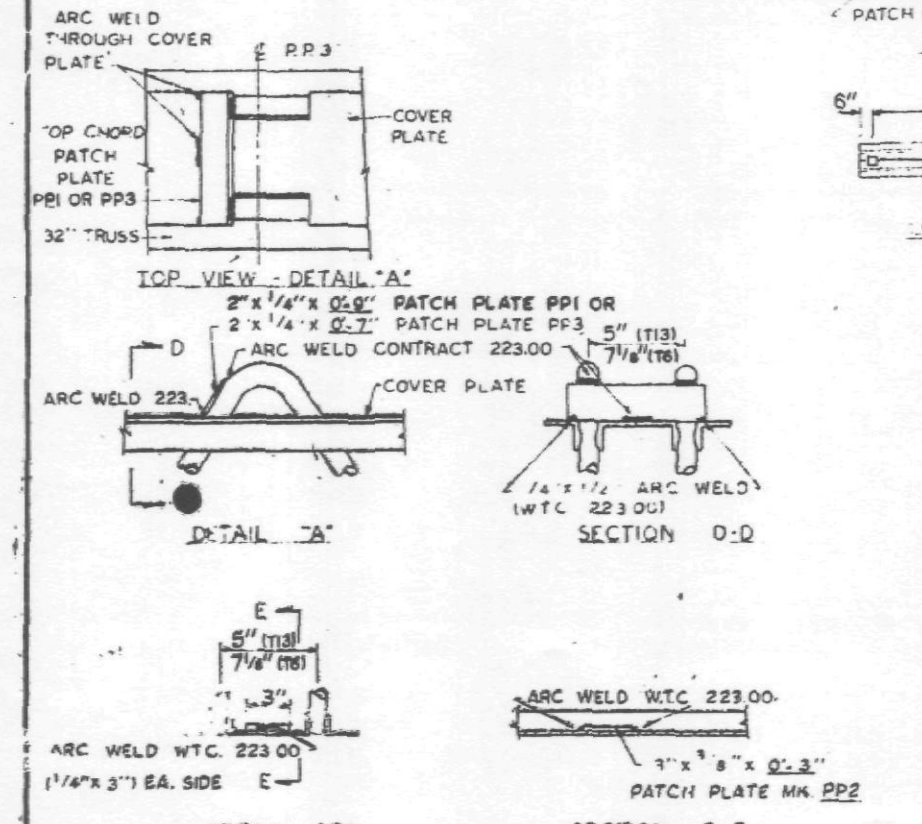
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

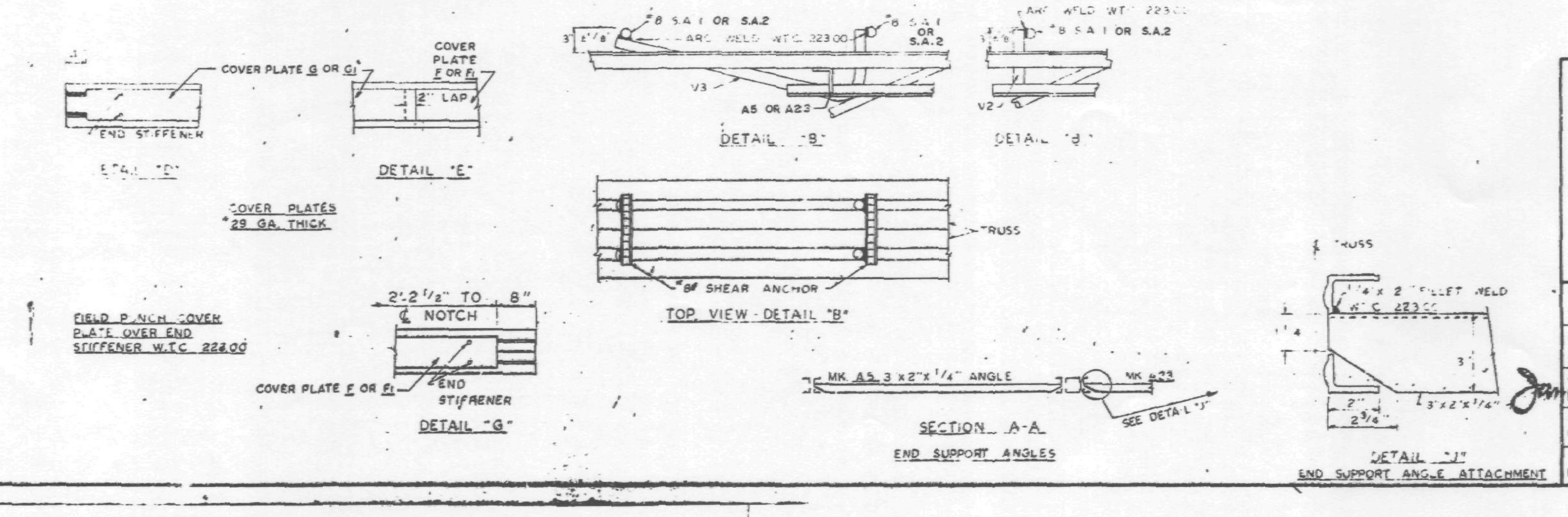


PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.



COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.





NOTE ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/16" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 206
	T12	1	C32T12 - 35'-8"	ST 218
	T13	2	C32T13 - 35'-8"	ST 218
BRIDGING TRUSSES	T9	1	24T9 - 13'-2 3/4"	ST 208
	T9A	1	24T9A - 13'-2 3/4"	ST 208A
3"x2"x1/4 ANGLE	A5	2	3"x2"x1/4"x8'-1 1/4"	ST 403
	A22	3	3"x2"x1/4"x13'-3 1/2"	ST 405
	A23	2	3"x2"x1/4"x8'-0 1/8"	ST 403
DIAGONAL FLATS		4	1 1/2"x3/8"x 8'-8"	ST 402
PATCH PLATES	PP1	4	2" x 1/4" x 0'-9"	ST 400
	PP2	8	3" x 3/8" x 0'-3"	ST 400
	PP3	4	2" x 1/4" x 0'-7"	ST 400
COVER PLATES	G1	1	7"x .0135"x 17'-10 1/2"	ST 303
	F1	1	7"x .0135"x 17'-3 1/2"	ST 303
	G	1	9"x .0135"x 17'-10 1/2"	ST 303
	F	1	9"x .0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	6	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
	C1	2	2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
	SA2	3	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-4	1	3 1/2"x 3 1/2"x 3/8"x 3-6 7/8"	ST298
	DUS-1	1	3 1/2"x 3 1/2" x 3/8"x 3'-6 7/8"	ST298
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	ST 271

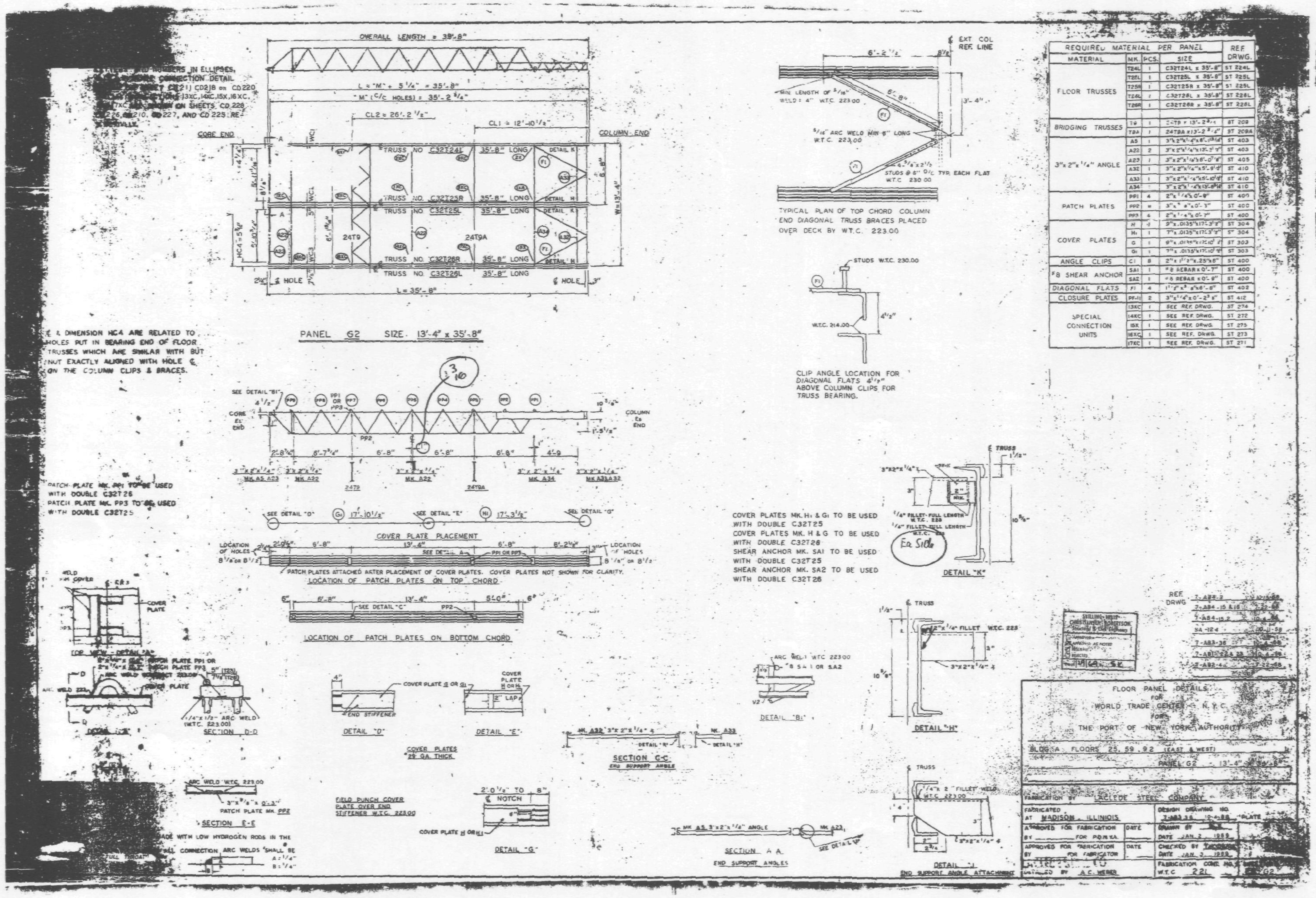
REF DRWG	
AB4-3 & 3	1-3-68
7 AB4-5 & 6	5-6-68
7 AB4-39-41	1-3-68
SH-124	10-20-67
7 AB3-2	1-3-68
7 AB1-11 & 12	5-10-68
7 AB2-6	2-15-68
7 AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

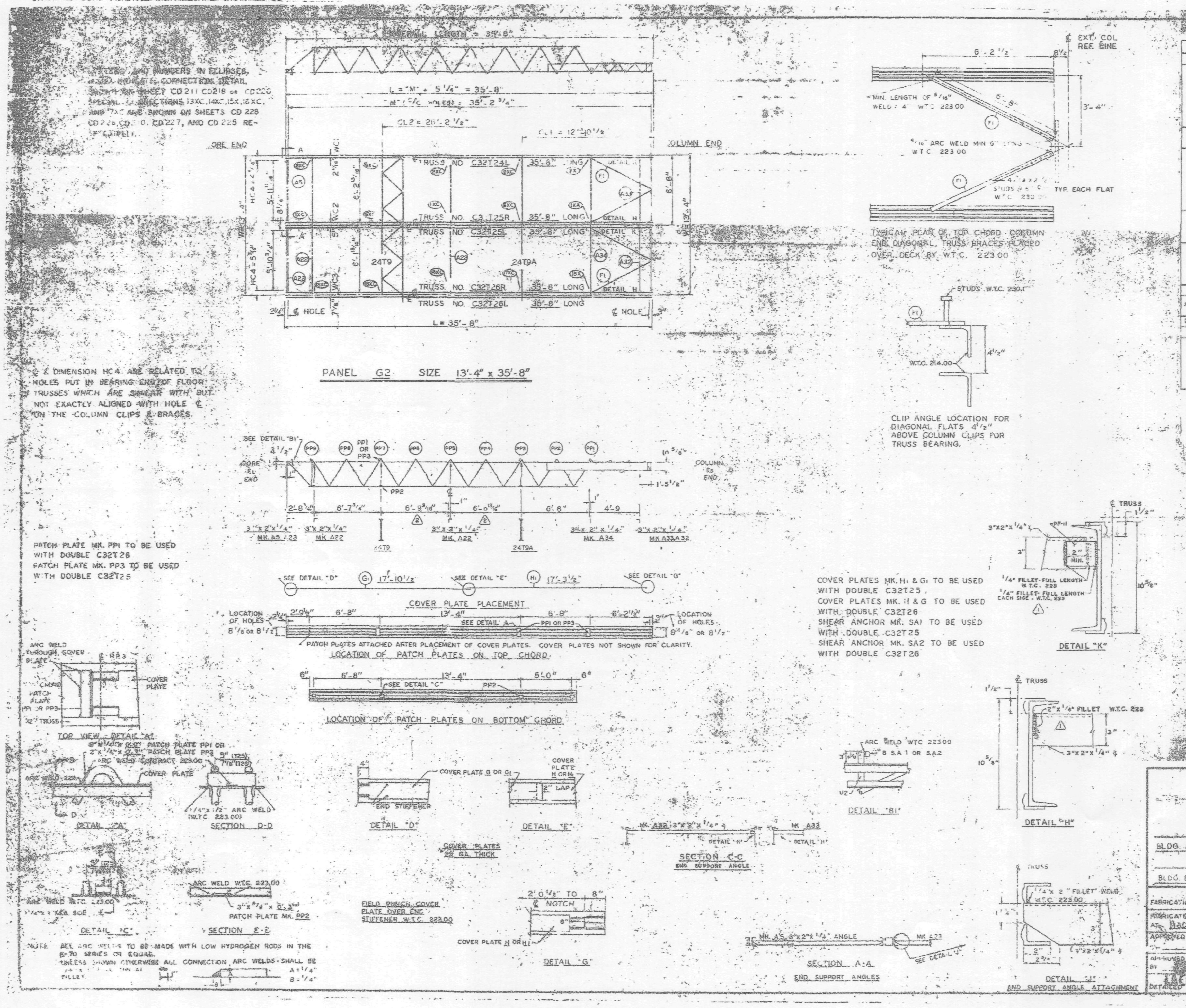
BLDG A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & 93-106 (EAST & WEST) PANEL G1 - 13'-4" x 35'-8"
45-49 (WEST) 80-83 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-15 5-10-68 PLATE	
APPROVED FOR FABRICATION BY [signature] FOR PONYA	DATE 8/19/68	DRAWN BY [initials] DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 10, 1968	
DETAILED BY A C WEBER		FABRICATION CONT. NO. W.T.C 221	SHEET NO. FP-G1



OVERALL LENGTH = 35'-8"
CORE END
COLUMN END
TRUSS NO. C32T24L 35'-8" LONG
TRUSS NO. C32T25R 35'-8" LONG
TRUSS NO. C32T25L 35'-8" LONG
TRUSS NO. C32T26R 35'-8" LONG
TRUSS NO. C32T26L 35'-8" LONG
L = 35'-8"
PANEL G2 SIZE 13'-4" x 35'-8"
℄ & DIMENSION NC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T26
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T25
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4'-2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
COVER PLATES MK. H1 & G1 TO BE USED WITH DOUBLE C32T25
COVER PLATES MK. H & G TO BE USED WITH DOUBLE C32T26
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T25
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T26
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3"x2"x1/4" ANGLE
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DIAGONAL FLATS
CLOSURE PLATES
SPECIAL CONNECTION UNITS
DETAIL "K"
DETAIL "H"
DETAIL "B1"
DETAIL "D"
DETAIL "E"
DETAIL "G"
DETAIL "J"
SECTION E-E
SECTION D-D
SECTION C-C
SECTION A-A
COVER PLATES 29 GA. THICK
FIELD PUNCH COVER PLATE OVER END STIFFENER W.T.C. 223.00
SKILLING - HELLE - CHRISTIANSEN - ROBERTSON
APPROVED AS NOTED
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25, 59, 92 (EAST & WEST)
PANEL G2 13'-4" x 35'-8"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.
APPROVED FOR FABRICATION BY FOR FABRICATOR
DETAILED BY A.C. WEBER
DESIGN DRAWING NO. 7-AB3-36 10-4-68
DRAWN BY
DATE JAN. 2, 1969
CHECKED BY
DATE JAN. 3, 1969
FABRICATION CONT. NO. W.T.C. 221
G2



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T24L	1	C32T24L x 35'-8"	ST 224L
	T25L	1	C32T25L x 35'-8"	ST 225L
	T25R	1	C32T25R x 35'-8"	ST 225L
	T26L	1	C32T26L x 35'-8"	ST 226L
	T26R	1	C32T26R x 35'-8"	ST 226L
BRIDGING TRUSSES	T9	1	24T9 x 13'-2 [illegible]	ST [illegible]
	T9A	1	24T9A x 13'-2 [illegible]	ST 209A
3" x 2" x 1/4" ANGLE	A5	1	3" x 2" x 1/4" x [illegible]	ST 403
	A22	2	[illegible]	ST 403
	A23	1	[illegible]	ST 405
	A32	1	3" x 2" x 1/4" x 5'-9 1/2"	ST 41[illegible]
	A33	1	3" x 2" x 1/4" x 5'-10 [illegible]	ST 410
	A34	1	3" x 2" x 1/4" x 13'-8 [illegible]	ST [illegible]
PATCH PLATES	PP1	4	2" x 1/4" x 0'-8"	ST 400
	PP2	8	3" x 3/8" x 0'-3"	ST 400
	PP3	4	2" x 1/4" x 0'-7"	ST 400
COVER PLATES	H	1	9" x .0135" x 17'-3 1/2"	ST 304
	H1	1	7" x .0135" x 17'-3 1/2"	ST 304
	G	1	9" x .0135" x 17'-10 1/2"	ST 303
	G1	1	7" x .0135" x 17'-10 [illegible]	ST 303
ANGLE CLIPS	C1	8	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	1	#8 REBAR x 0'-7"	ST 400
	SA2	1	#6 REBAR x 0'-9"	ST 400
DIAGONAL FLATS	F1	4	[illegible]	ST 402
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
SPECIAL CONNECTION UNITS	13XC	1	SEE REF DRWG.	ST [illegible]74
	14XC	1	SEE REF DRWG.	ST 272
	15X	1	SEE REF DRWG.	ST 275
	16XC	1	SEE REF DRWG.	ST 273
	17XC	1	SEE REF DRWG.	ST 27[illegible]

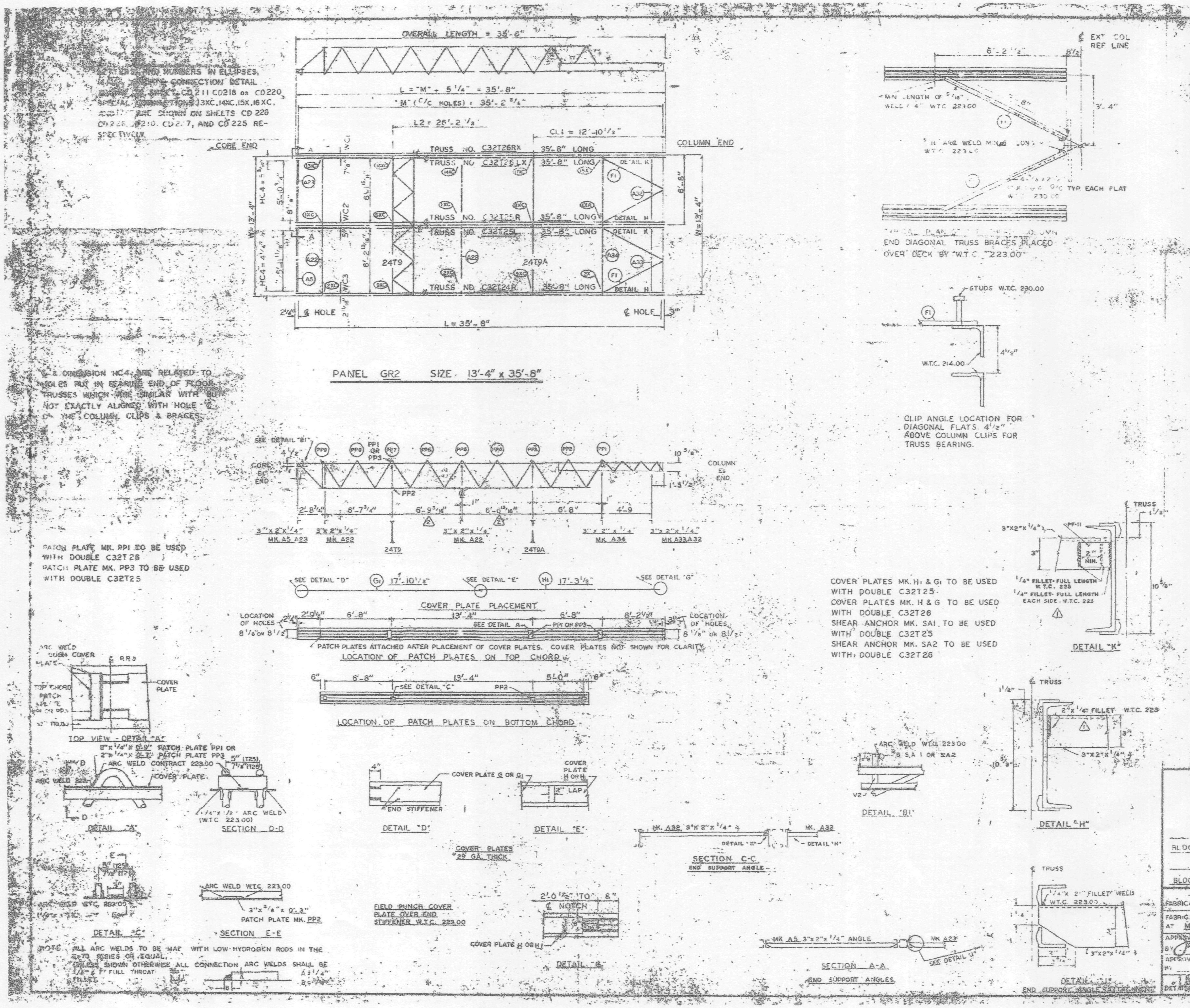
NO.	DATE	REVISION
3	7-7-69	AS NOTED
2	3-11-69	AS NOTED
1	2-4-69	AS NOTED

REF. DRWG.
7-AB4-23 10-4-68
7-AB4-15 & 16 [illegible]
7-AB4-15.2 10-4-68
SA 124 [illegible]
7-AB3-36 10-4-68
7-AB1-22 & 23 10-4-68
7-AB2-4 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92 (EAST & WEST)
PANEL G2
BLDG. B FLOORS 25, 59 [illegible]

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-36 [illegible]
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE [illegible]
DRAWN BY [illegible] DATE JAN [illegible] 1969
APPROVED FOR FABRICATION BY [illegible] DATE
CHECKED BY [illegible] DATE JAN. 3, 1969
DETAILED BY A. E. WEBER
FABRICATION CONTRACT W.T.C. 223.00
SHEET [illegible] G2



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	REF DRWG
FLOOR TRUSSES (1)	T24R	1	C32T24R x 35'-8"	ST 224L
	T25L	1	C32T25L x 35'-8"	ST 225L
	T25R	1	C32T25R x 35'-8"	ST 225L
	T26LX	1	C32T26LX x 35'-8"	ST 226L
	T26RX	1	C32T26RX x 35'-8"	ST 226L
BRIDGING TRUSSES	T9	1	24T9 x [illegible]	[illegible]
	T9A	1	24T9A x 13'-[illegible]	[illegible]
3" x 2" x 1/4" ANGLE	A5	1	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]
	A22	1	[illegible]	[illegible]
	A23	1	[illegible]	[illegible]
	A32	1	[illegible]	[illegible]
	A34	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	[illegible]	[illegible]	[illegible]
	PP2	8	[illegible]	ST 4[illegible]
	PP3	[illegible]	[illegible]	[illegible]
COVER PLATES	H	1	9" x .0135" x 17'-3 1/2"	ST 304
	H1	1	7" x .0135" x 17'-3 1/2"	ST 304
	G	1	9" x .0135" x 17'-10 1/2"	ST 303
	G1	1	7" x .0135" x 17'-10 1/2"	ST 303
ANGLE CLIPS	C1	8	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	1	#8 REBAR x 0'-7"	ST 400
	SA2	1	#8 REBAR x 0'-9"	ST 400
DIAGONAL FLATS	F1	4	1 1/2" x 3/8" x 6'-8"	ST 402
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
SPECIAL CONNECTION UNITS	13XC	1	SEE REF DRWG.	ST 2[illegible]4
	14XC	1	SEE REF DRWG.	ST 272
	15X	1	SEE REF DRWG.	ST 275
	16XC	1	SEE REF DRWG.	ST 273
	17XC	1	SEE REF DRWG.	ST 271

NO.	DATE	REVISION	BY
3	7-7-69	AS NOTED	G.D.C.
2	3-11-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

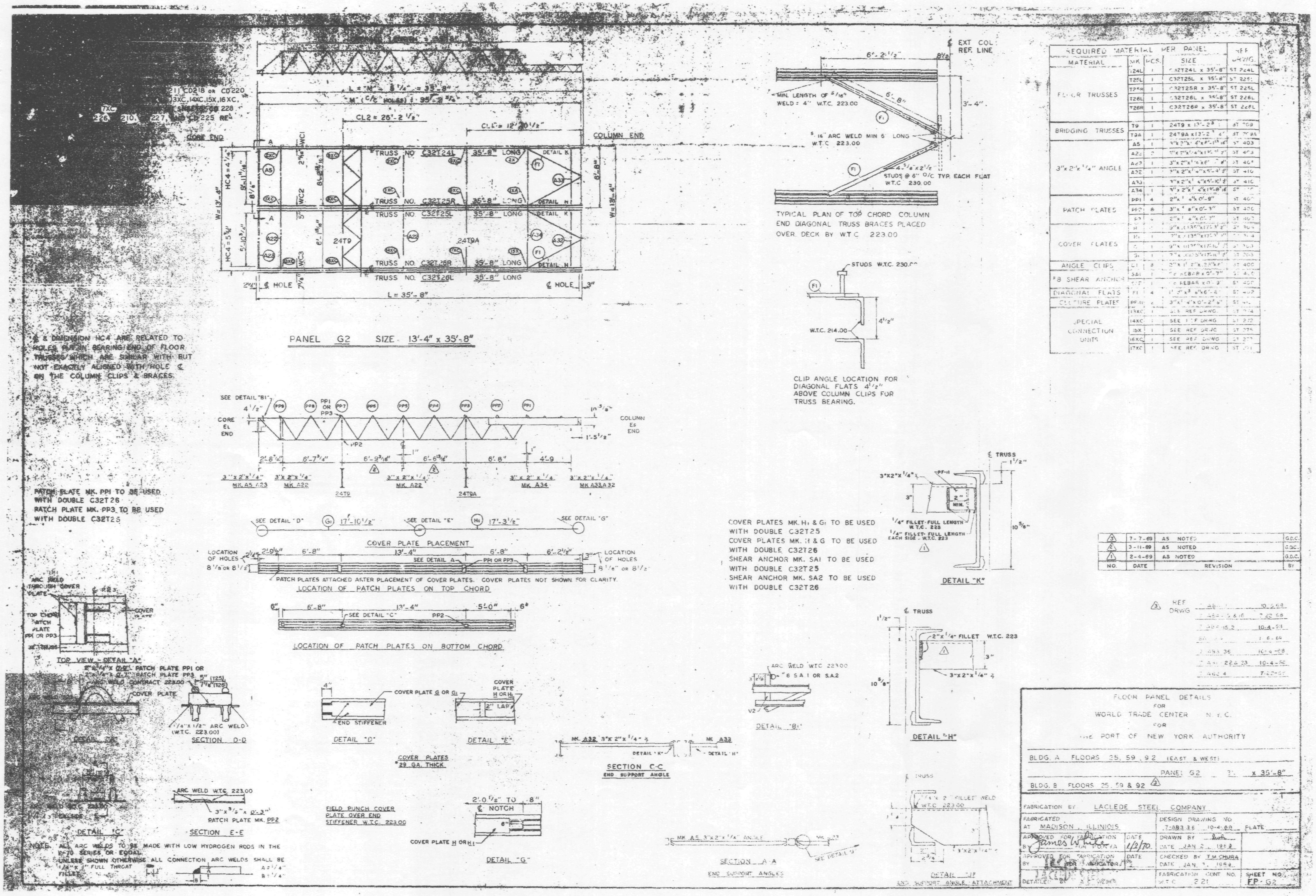
REF DRWG (3)

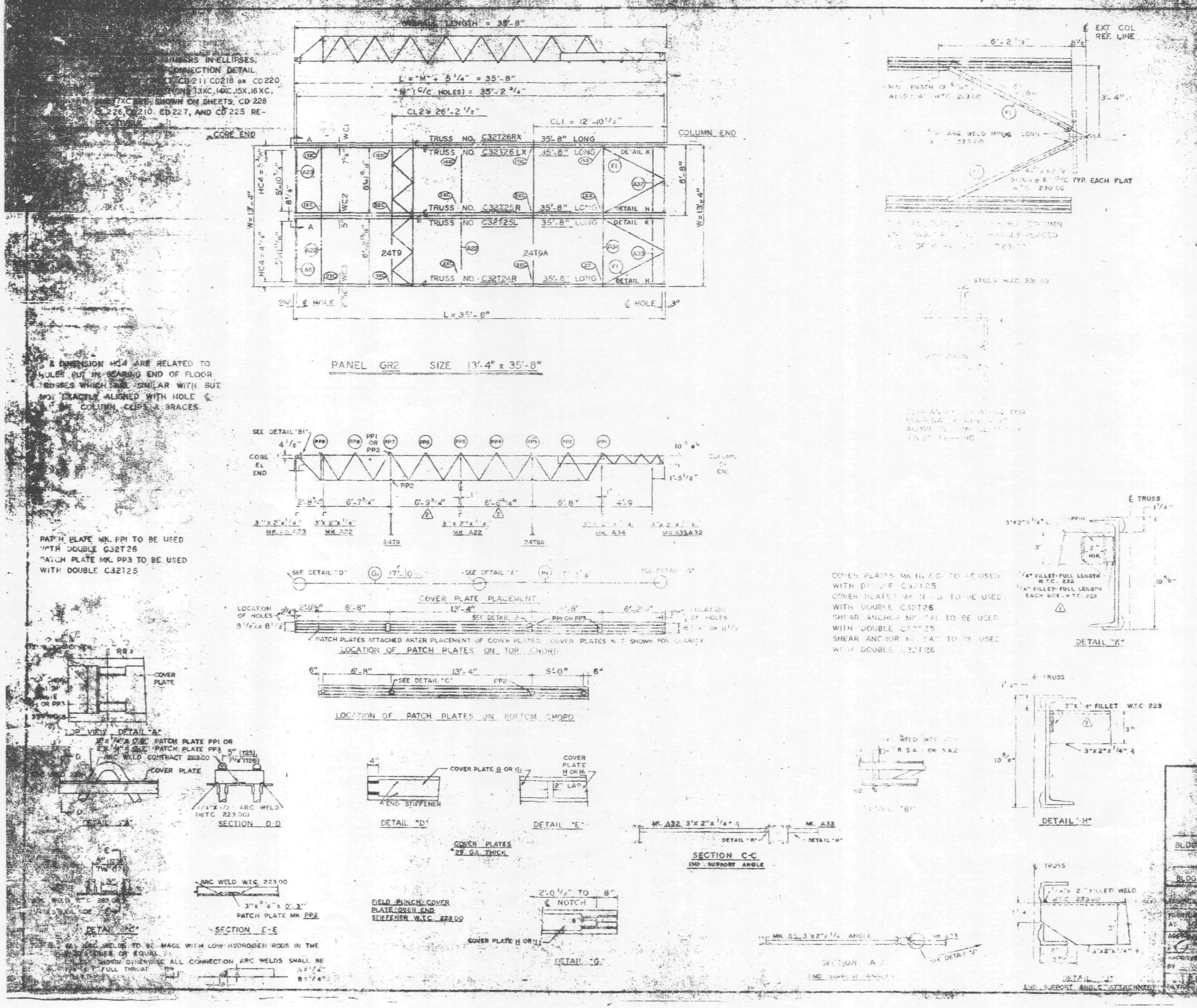
AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	1-6-69
7-AB3-37	10-4-68
7-AB1-22 & 23	10-4-68
7-AB2-4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 25, 59, 92 (EAST & WEST)
PANEL GR2 13'-4" x 35'-8"
BLDG B FLOORS 25, 59 & 92 (NORTH & SOUTH) (3)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-37 10-4-68 PLATE
APPROVED FOR FABRICATION BY James [illegible] DATE 1/2/70
DRAWN BY G.G. DATE JAN 2, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHUBA DATE JAN 3, 1969
LACLEDE STEEL CO. DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-GR2


PANEL G2 SIZE 13'-4" x 35'-8"
COLUMN END
CORE END
TRUSS NO. C32T24L 35'-8" LONG
TRUSS NO. C32T25R 35'-8" LONG
TRUSS NO. C32T25L 35'-8" LONG
TRUSS NO. C32T26R 35'-8" LONG
TRUSS NO. C32T26L 35'-8" LONG
L = 35'-8"
℄ HOLE
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3"x 2"x 1/4" ANGLE
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DIAGONAL FLATS
CLOSURE PLATES
SPECIAL CONNECTION UNITS
EXT COL REF LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T26
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T25
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
COVER PLATES MK. H1 & G1 TO BE USED WITH DOUBLE C32T25
COVER PLATES MK. H & G TO BE USED WITH DOUBLE C32T26
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T25
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T26
DETAIL "K"
DETAIL "H"
DETAIL "B"
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
TOP VIEW - DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "G"
DETAIL "C"
SECTION E-E
SECTION C-C
END SUPPORT ANGLE
SECTION A-A
END SUPPORT ANGLES
COVER PLATES #29 GA. THICK
FIELD PUNCH COVER PLATE OVER END STIFFENER W.T.C. 223.00
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
3 7-7-69 AS NOTED
2 3-11-69 AS NOTED
1 2-4-69 AS NOTED
NO. DATE REVISION BY
REF DRWG
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25, 59, 92 (EAST & WEST)
PANEL G2 x 35'-8"
BLDG. B FLOORS 25, 59 & 92
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO. 7-AB3.36 10-4-68 PLATE
APPROVED FOR FABRICATION BY James White FOR PONYA
DATE 1/2/70
APPROVED FOR FABRICATION BY FOR FABRICATOR
DRAWN BY
DATE JAN 2, 1969
CHECKED BY T.M. CHURA
DATE JAN 7, 1969
DETAILED BY A.C. WEBER
FABRICATION CONT NO. W.T.C. 221
SHEET NO. FP-G2



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES ⚠1	T24R	1	C32T24R x 35'-8"	ST 224L
	T25L	1	C32T25L x 35'-8"	ST 225L
	T25R	1	C32T25R x 35'-8"	ST 225L
	T26LX	1	C32T26LX x 35'-8"	ST 226L
	T26RX	1	C32T26RX x 35'-8"	ST 226L
BRIDGING TRUSSES	T9	1	24T9 x 13'-2 3/4	ST 209
	T9A	1	24T9A x 13'-2 3/4"	ST 209A
3"x 2"x 1/4" ANGLE	A5	1	3"x 2"x 1/4"x 8'-1 13/16"	ST 403
	A22	2	3"x 2"x 1/4"x 13'-3 1/2"	ST 403
	A23	1	3"x 2"x 1/4"x 6'-5 7/8"	ST 405
	A32	1	3"x 2"x 1/4"x 5'-9 1/2"	ST 410
	A33	1	3"x 2"x 1/4"x 5'-10 1/2"	ST 410
	A34	1	3"x 2"x 1/4"x 13'-8 3/16"	ST 410
PATCH PLATES	PP1	4	2"x 1/4"x 0'-9"	ST 400
	PP2	8	3"x 3/8"x 0'-3"	ST 400
	PP3	4	2"x 1/4"x 0'-7"	ST 400
COVER PLATES	H	1	9"x .0135"x 17'-3 1/2"	ST 304
	H1	1	7"x .0135"x 17'-3 1/2"	ST 304
	G	1	9"x .0135"x 17'-10 1/2"	ST 303
	G1	1	7"x .0135"x 17'-10 1/2"	ST 303
ANGLE CLIPS	C1	8	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	1	#8 REBAR x 0'-7"	ST 400
	SA2	[illegible]	#8 REBAR x 0'-8"	ST 400
DIAGONAL FLATS	F1	4	1 1/2"x 3/8"x 6'-8"	ST 402
CLOSURE PLATES	PF-11	2	3"x 1/4"x 0'-2 5/8"	ST 412
SPECIAL CONNECTION UNITS	13XC	1	SEE REF. DRWG.	ST 274
	14XC	1	SEE REF. DRWG.	ST 272
	15X	1	SEE REF. DRWG.	ST 275
	16XC	1	SEE REF. DRWG.	ST 273
	17XC	1	SEE REF. DRWG.	ST 271

NO.	DATE	REVISION	BY
3	7-7-69	AS NOTED	G.D.C.
2	3-11-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

⚠3 REF DRWG

[illegible]	10-15-68
[illegible]	7-22-68
[illegible]	10-4-68
[illegible]	1-6-69
[illegible]	10-4-68
[illegible]	10-4-68
[illegible]	7-22-68

FLOOR [illegible]

WORLD [illegible]

THE PORT OF [illegible]

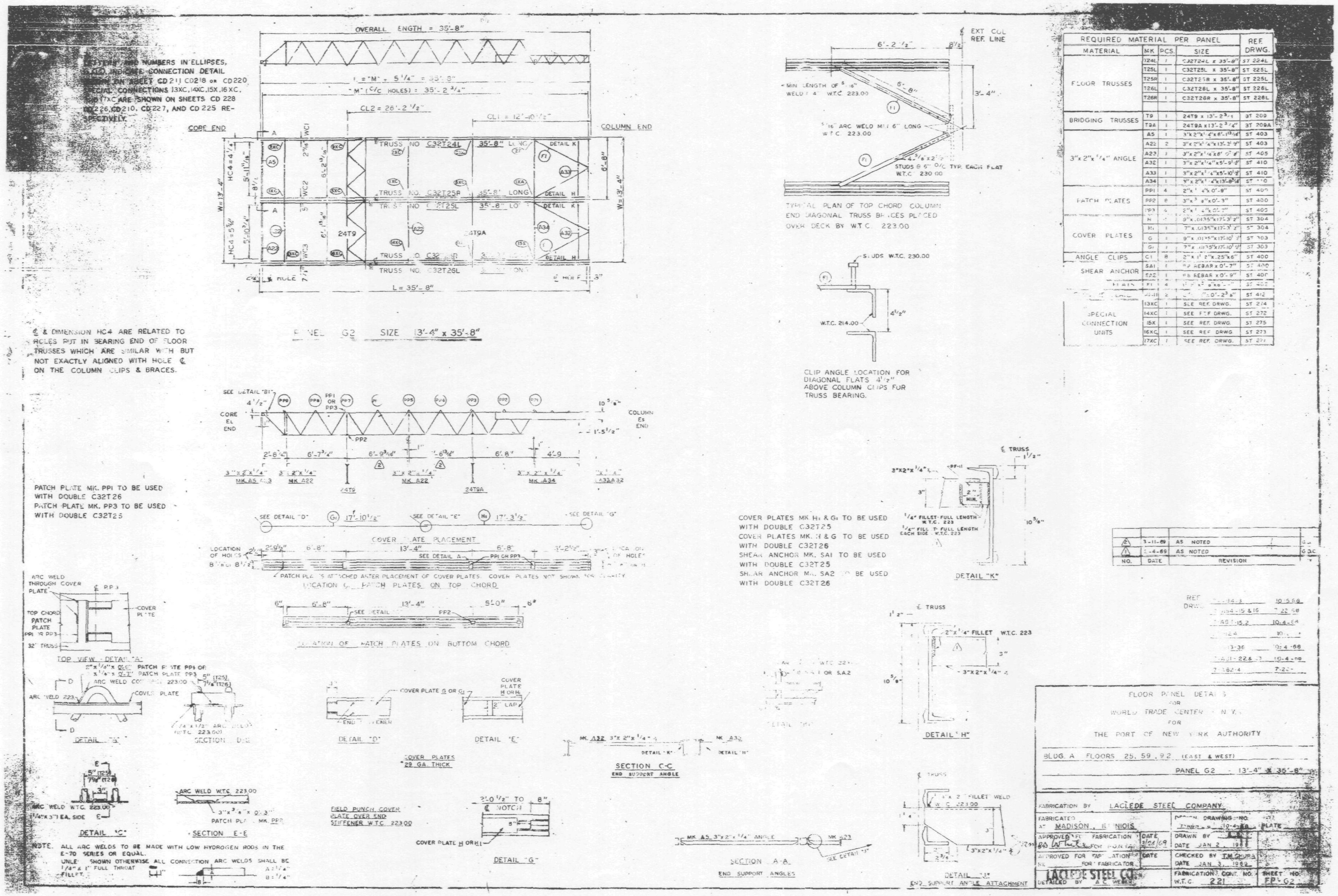
BLDG. A FLOORS 25, 59, 92 (EAST & WEST)

BLDG. B FLOORS 25, 59 & 92 [illegible]

JAN 2 [illegible]

JAN 3 [illegible]

GR2



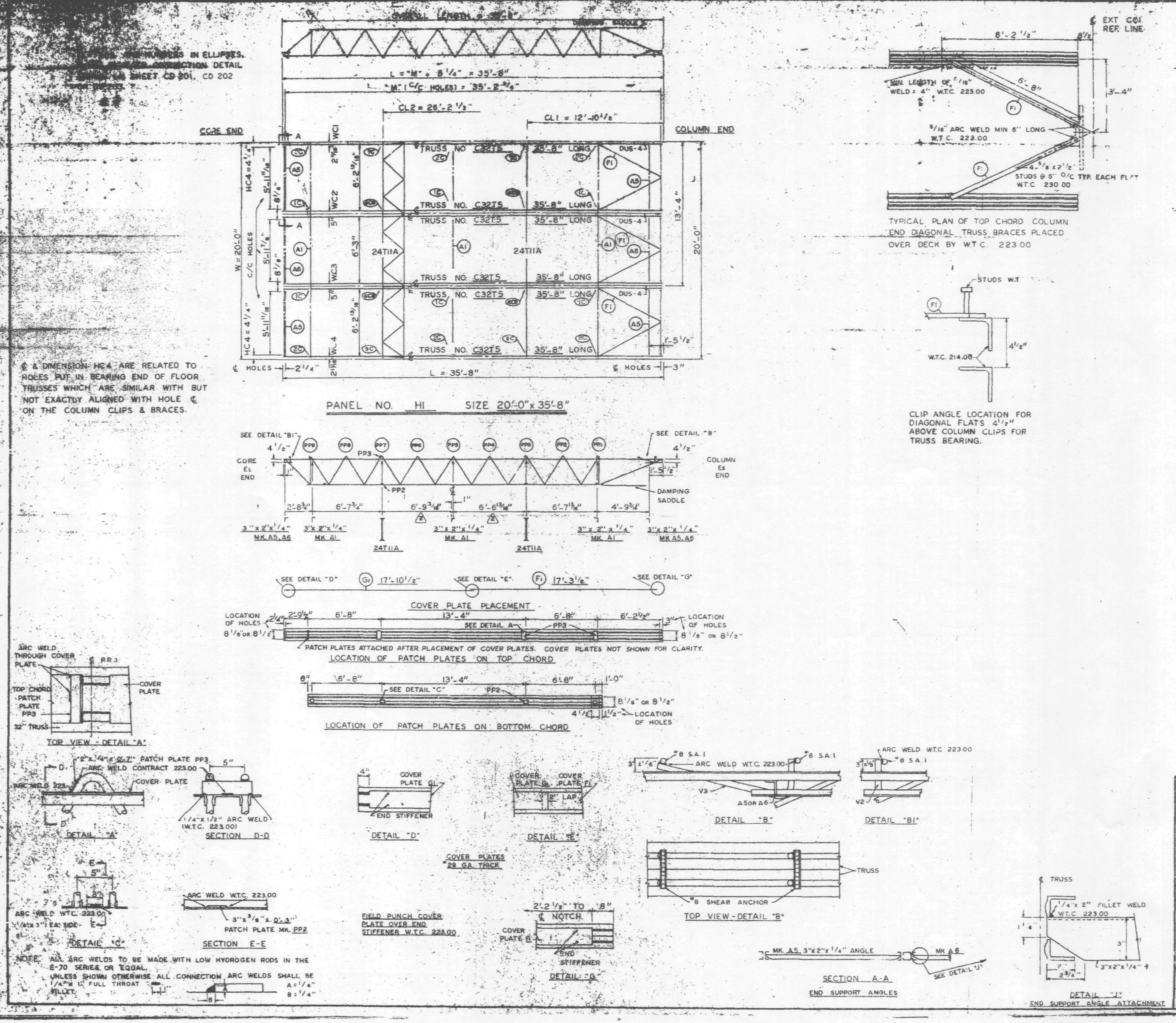
REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T24L	1	C32T24L x 35'-8"	ST 224L
	T25L	1	C32T25L x 35'-8"	ST 225L
	T25R	1	C32T25R x 35'-8"	ST 225L
	T26L	1	C32T26L x 35'-8"	ST 226L
	T26R	1	C32T26R x 35'-8"	ST 226L
BRIDGING TRUSSES	T9	1	24T9 x 13'-2 3/4"	ST 209
	T9A	1	24T9A x 13'-2 3/4"	ST 209A
3"x 2"x 1/4" ANGLE	A5	1	3"x 2"x 1/4"x 6'-1 13/16"	ST 403
	A22	2	3"x 2"x 1/4"x 13'-3 1/2"	ST 403
	A23	1	3"x 2"x 1/4"x 8'-0 7/8"	ST 405
	A32	1	3"x 2"x 1/4"x 5'-9 1/2"	ST 410
	A33	1	3"x 2"x 1/4"x 5'-10 1/2"	ST 410
	A34	1	3"x 2"x 1/4"x 13'-8 5/16"	ST 410
PATCH PLATES	PP1	4	2"x 1/4"x 0'-9"	ST 400
	PP2	8	3"x 3/8"x 0'-3"	ST 400
	PP3	4	2"x 1/4"x 0'-7"	ST 400
COVER PLATES	H	1	9"x .0135"x 17'-3 1/2"	ST 304
	H1	1	7"x .0135"x 17'-3 1/2"	ST 304
	G	1	9"x .0135"x 17'-10 1/2"	ST 303
	G1	1	7"x .0135"x 17'-10 1/2"	ST 303
ANGLE CLIPS	C1	8	2"x 1 1/2"x .25"x 6"	ST 400
SHEAR ANCHOR	SA1	1	#2 REBAR x 0'-7"	ST 400
	SA2	1	#5 REBAR x 0'-9"	ST 400
FLATS	F1	4	[illegible]	ST 40[illegible]
[illegible]	[illegible]	2	[illegible] x 0'-2 3/8"	ST 412
SPECIAL CONNECTION UNITS	13XC	1	SEE REF. DRWG.	ST 274
	14XC	1	SEE REF. DRWG.	ST 272
	15X	1	SEE REF. DRWG.	ST 275
	16XC	1	SEE REF. DRWG.	ST 273
	17XC	1	SEE REF. DRWG.	ST 27[illegible]

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92 (EAST & WEST)

PANEL G2 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 3/24/69
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
LACLEDE STEEL CO.
DETAILED BY A C WEBER
DRAWN BY DATE JAN 2, 1968
CHECKED BY T.M. CHURA DATE JAN 3, 1969
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-G2



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-1"	ST211A
3" x 2" x 1/4" ANGLE	A1	3	3" x 2" x 1/4" x 19 [illegible]	ST403
	A5	4	3" x 2" x 1/4" x 6'-4 13/16"	ST403
	A6	2	3" x 2" x 1/4" x 5'-2"	ST403
DIAGONAL FLATS	F1	6	1 1/2" x [illegible] x 6'-[illegible]"	ST402
PATCH PLATES	PP3	12	2" x 1/4" x 0'-7	ST400
	PP2	12	3" x 3/8" x 0'-3"	ST400
COVER PLATES	G1	3	7" x .0135" x 17'-10 1/2"	ST303
	F1	3	7" x .0135" x 17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2" x 1 1/2" x 1/4" x 6"	ST400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST400
DAMPING SADDLE ⚠1	DUS-4	3	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST400
	P2	2	4 1/2" x .39" x 0'-9"	ST400
⚠1	P7	2	6 1/2" x 1/2" x 1'-0"	ST401

NO.	DATE	REVISION	BY
3	6-23-69	AS NOTED	G.D.C.
2	2-21-69	AS NOTED	G.D.C.
1	10-16-68	MATERIAL LIST	G.D.C.

⚠3 REF DRWG

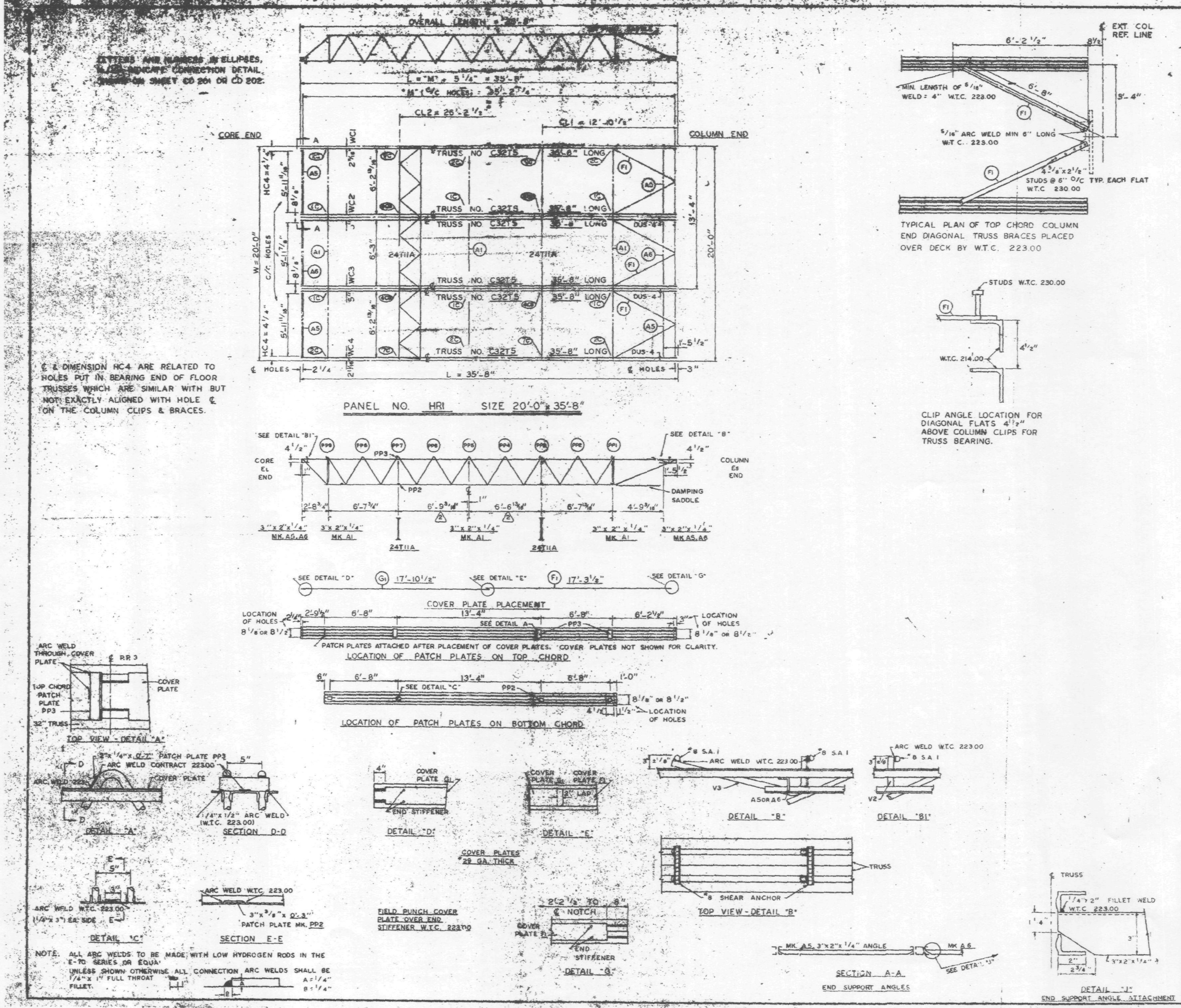
7-AB4-3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-6	7-22-58
7-AB4-42 & 3	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66 68 74, 84-91 & 93-106 (E & W) 45-49 (W) 80-83 (E) PANEL H1 20'-0" x 35'-8"
⚠3 BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-106 (N & S) 45-49 (S) 80-83 (N)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO. 7-AB3-17	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 10, 1968	
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-H1



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T 35'-8"	ST295
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	ST211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x19'-11"	ST403
	A5	4	3"x2"x1/4"x6'-11 7/16"	ST403
	A6	2	3"x2"x1/4"x6'-2"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	12	2"x1/4"x0'-7"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	G1	3	7"x0135"x17'-0 1/2"	ST303
	F1	3	7"x0135"x7'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2"x1 1/2"x1/4"x6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2"x3 1/2"x3/8"x3-6 7/8"	ST298
CONNECTION BAR	CB1	2	1"φ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	2	4 1/2"x.39"x0'-9"	ST 400
(1)	P7	2	6 1/2"x1/2"x1'-0"	ST 401

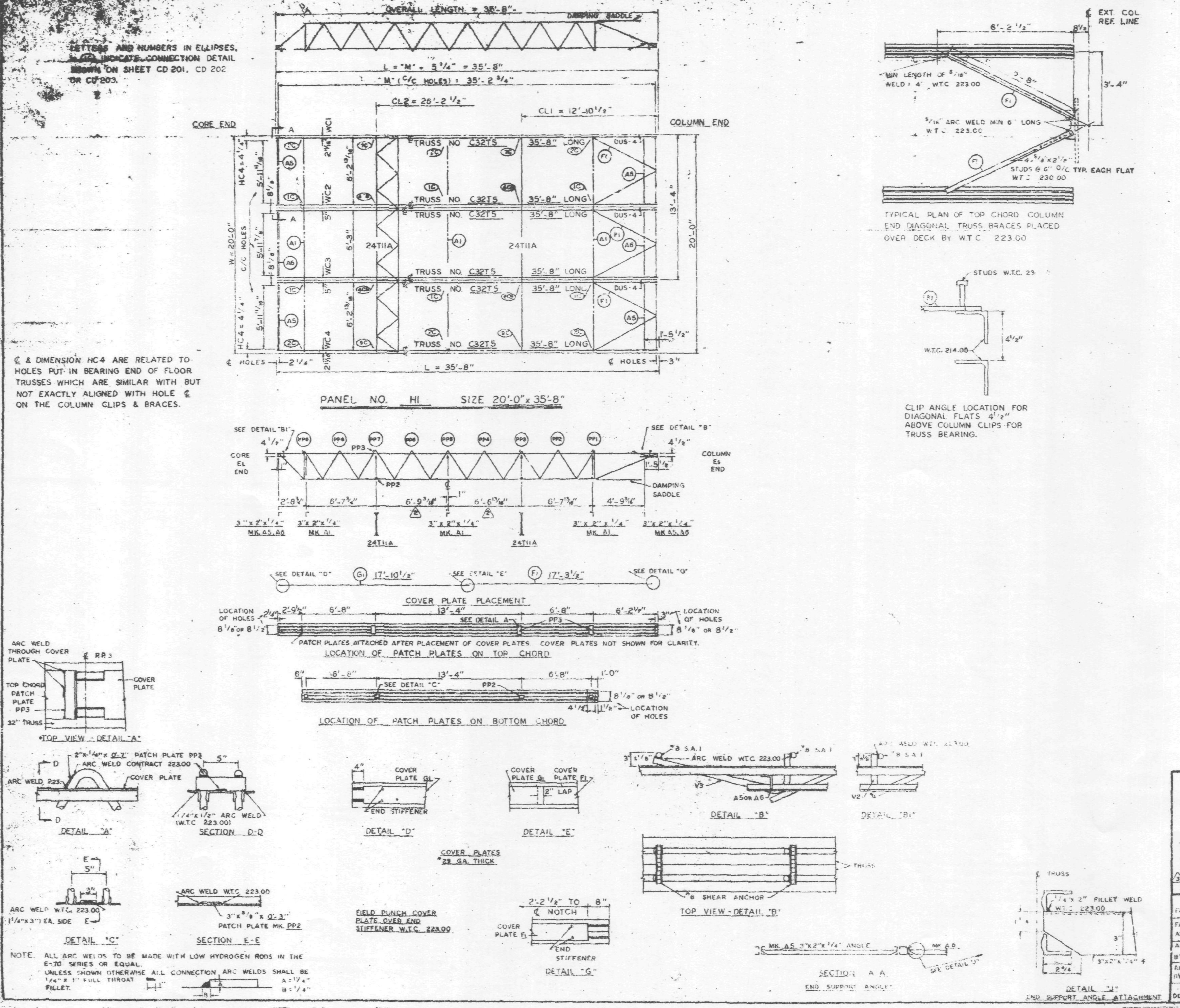
NO.	DATE	REVISION	BY
3	6-23-69	AS NOTED	G.D.C.
2	2-21-69	AS NOTED	G.D.C.
1	10-16-68	LIST OF MATERIAL	G.D.C.

REF. DRWG	
7-AB4-3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	1-3-68
(3) SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-6	7-22-68
7-AB4-42 & 3	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N. Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40 (EAST & WEST) 42-49, 50 50, 60-66, 68-74 (EAST) PANEL HR1 20'-0" x 35'-8"
BLDG. B FLOORS 14-24, 26-40 (NORTH & SOUTH) 45-58, 60-74 (NORTH) (3)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-18 PLATE
APPROVED FOR FABRICATION BY James White FOR PONYA DATE 1/2/70
DRAWN BY [signature] DATE APRIL 10, 1988
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY I.M. CHURA DATE APRIL 10, 1968
DETAILED BY
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP-HR1



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	16	C32T5 - 35'-8"	ST 2[illegible]
BRIDGING TRUSSES	T11A	2	24T11A - 19'-11"	ST 2[illegible]
3"x 2"x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST 403
	A6	2	3"x2"x1/4"x 6'-2"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP3	12	2"x 1/4"x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x 17'-10 1/2"	ST 309
	F1	3	7"x.0135"x 17'-3 1/2"	ST 309
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE (1)	DUS-4	3	3 1/2"x 3 1/2"x 3/8"x 3'-6 [illegible]	ST 298
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x .30"x 0'-9"	ST 400
(1)	P7	2	6 1/2"x 1/2"x 1'-0"	ST 4[illegible]1

NO.	DATE	REVISION
3	8-23-68	AS NOTED
2	2-21-69	AS NOTED
1	10-10-68	MATERIAL LIST

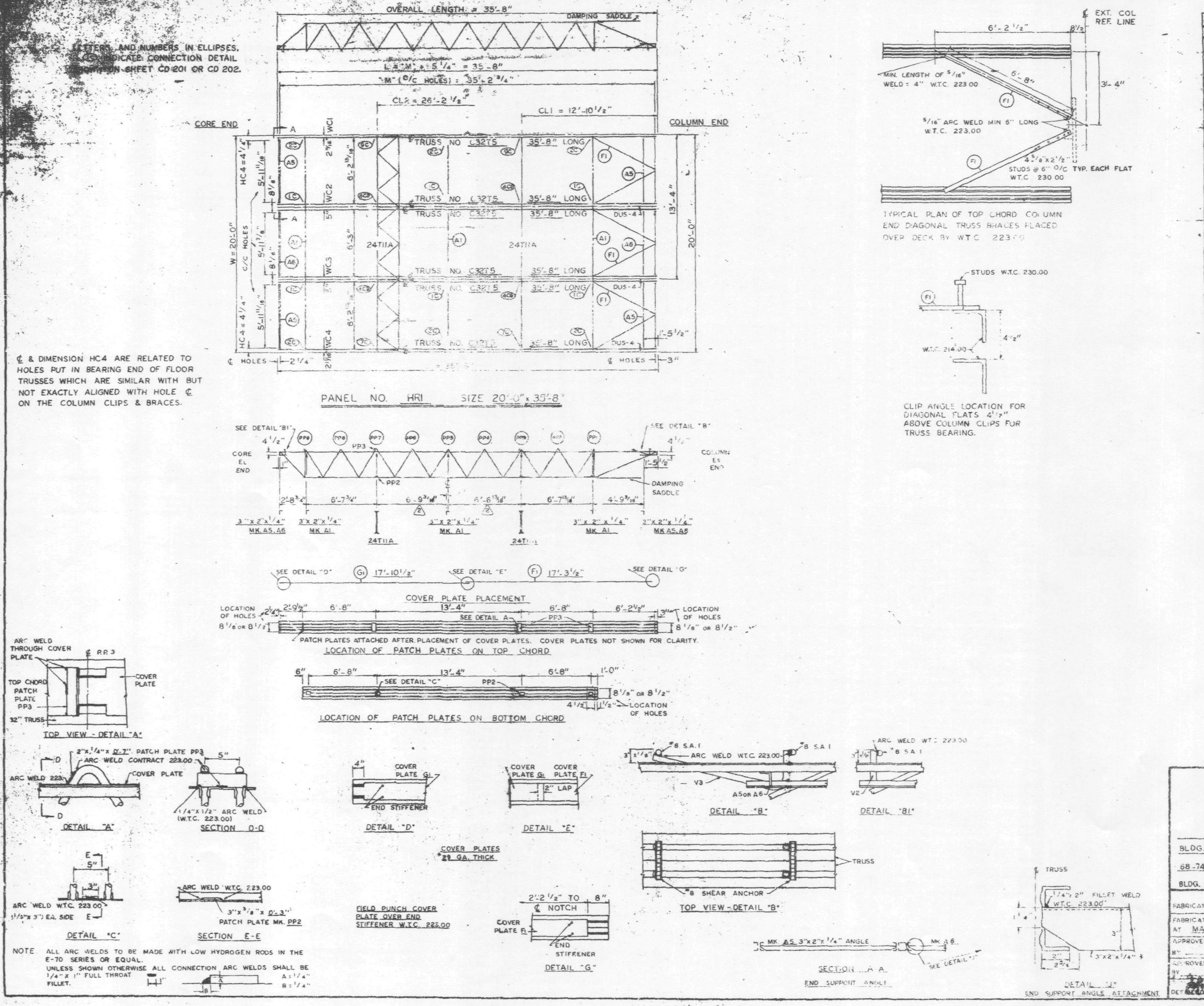
REF. DRWG. (3)

7-AB4-3.1	[illegible]
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-8-68
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-6	7-22-68
7-AB4-[illegible]	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-[illegible] -91 & 93-105 (E & W) 45-49 (W) 80-83 (E) PANEL H[illegible] 35'-8"
(3) BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-106 [illegible]

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-17
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 1/12/70
DRAWN BY [illegible] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. DATE
CHECKED BY T.M. [illegible] DATE APRIL 10, 1968
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. [illegible] H1



NOTE ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST285
BRIDGING TRUSSES	T11A	2	24T11A - 19'-11"	[illegible]
3" x 2" x 1/4" ANGLE	A1	6	3"x2"x1/4"x 19'-11"	ST 403
	A5	[illegible]	[illegible]	ST 403
	A6	2	3"x2"x1/4"x 6'-2"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 403
PATCH PLATES	PP3	12	2"x 1/4"x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x 17'-10 1/2"	ST 303
	F1	3	7"x.0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2"x 3 1/2"x 3/8"x 3'-6 3/4"	ST 298
CONNECTION BAR	CB1	2	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P7 (△1)	2	6 1/2" x 1/2" x 1'-0"	ST 401

NO.	DATE	REVISION	BY
3	6-23-69	AS NOTED	G.D.C.
2	2-21-69	AS NOTED	G.D.C.
1	10-18-68	LIST OF MATERIAL	G.D.C.

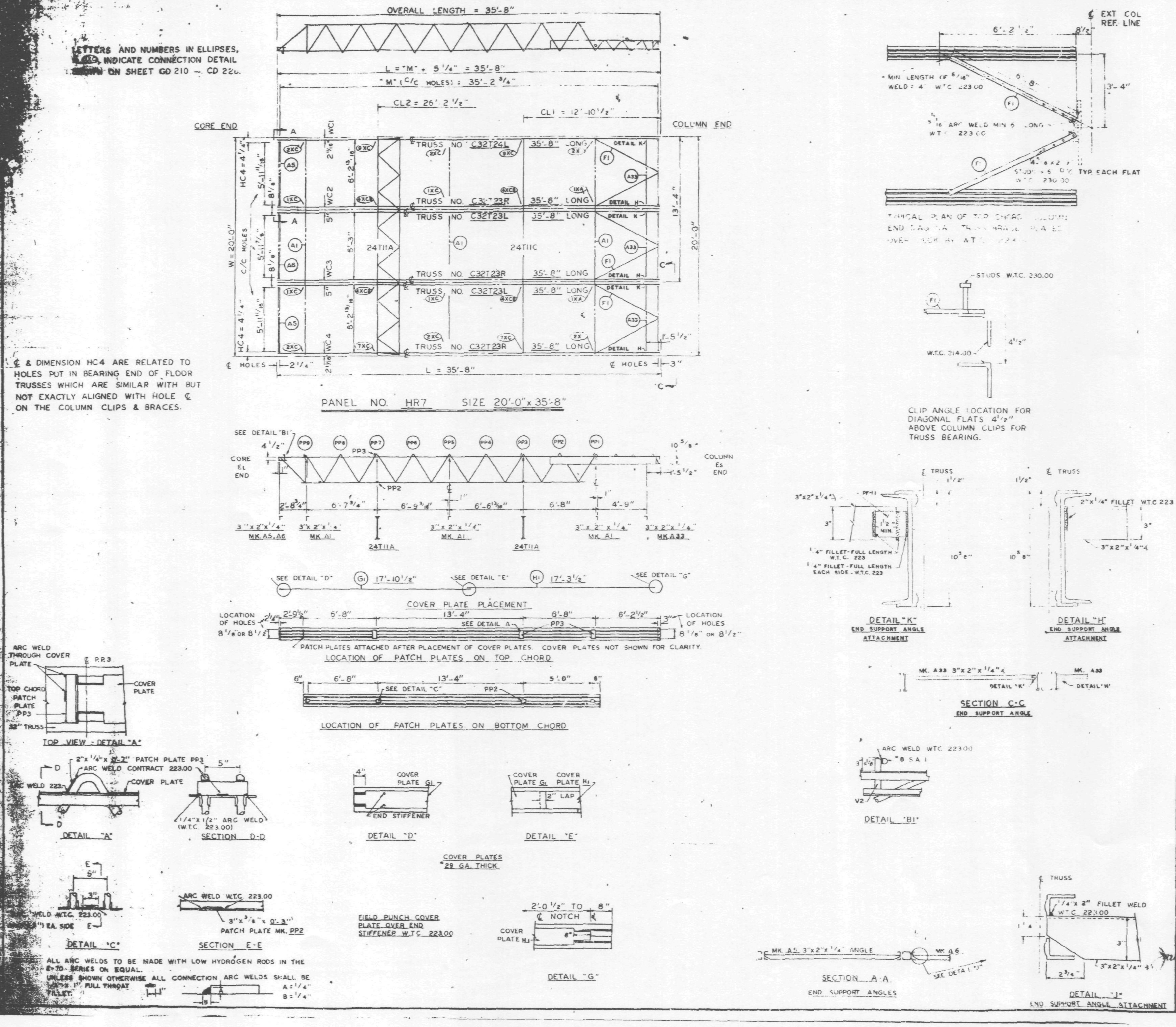
REF. DRWG.

7-AB4-3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	1-3-68
SA-124 (△3)	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-8	7-22-68
7-AB4-42 & 43	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
[illegible] PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40 (EAST & WEST) 43-49, 50, 58, 60-66, 68-74 (EAST)
PANEL HR1 - 20'-[illegible]
BLDG. B FLOORS 14-24, 26-40 (NORTH & SOUTH) 45 [illegible]

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-18
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 10, 1968
DET. [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. [illegible] HR1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	2	C32T23L - 35'-8"	ST223L
	T23R	3	C32T23R - 35'-8"	ST223L
	T24L	1	C32T24L - 35'-8"	ST224L
BRIDGING TRUSSES	T11A	1	24T11A - 19'-11"	ST211A
	T11C	1	24T11C1 - 19'-11"	ST211C
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x19'-11"	ST403
	A5	2	3"x2"x1/4"x6'-1 13/16"	ST403
	A6	1	3"x2"x1/4"x6'-2"	ST403
	A33	3	3"x2"x1/4"x5'-10 1/2"	ST410
PATCH PLATES	PP3	12	2"x1/4"x0'-7"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	G1	3	7"x.0135"x17'-10 1/2"	ST303
	H1	3	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2"x1 1/2"x1/4"x6"	ST400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST400
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x6'-8"	ST402
CONNECTION BAR	CB1	3	1" Φ x 1'-3"	ST400
CONNECTION PLATES	P1	2	3 1/2"x3/8"x0'-6 1/2"	ST400
	P2	2	4 1/2"x.39"x0'-9"	ST400
	P7	2	6 1/2"x.50"x1'-0"	ST401
CLOSURE PLATE	PF11	3	3"x1/4"x0'-2 3/8"	ST412

NO.	DATE	REVISION	BY

REF. DRWG		
	7-AB4-3	10-15-68
	7-AB4-15 & 16	7-22-68
	7-AB4-15 2	10-4-68
	SB-124	3-24-69
	7-AB3-39	10-4-68
	7-AB1-22	10-4-68
	7-AB2-6	7-22-68
	7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25, 59 & 92 (NORTH & SOUTH)

PANEL HR7 - 20'-0" x 35'-8"

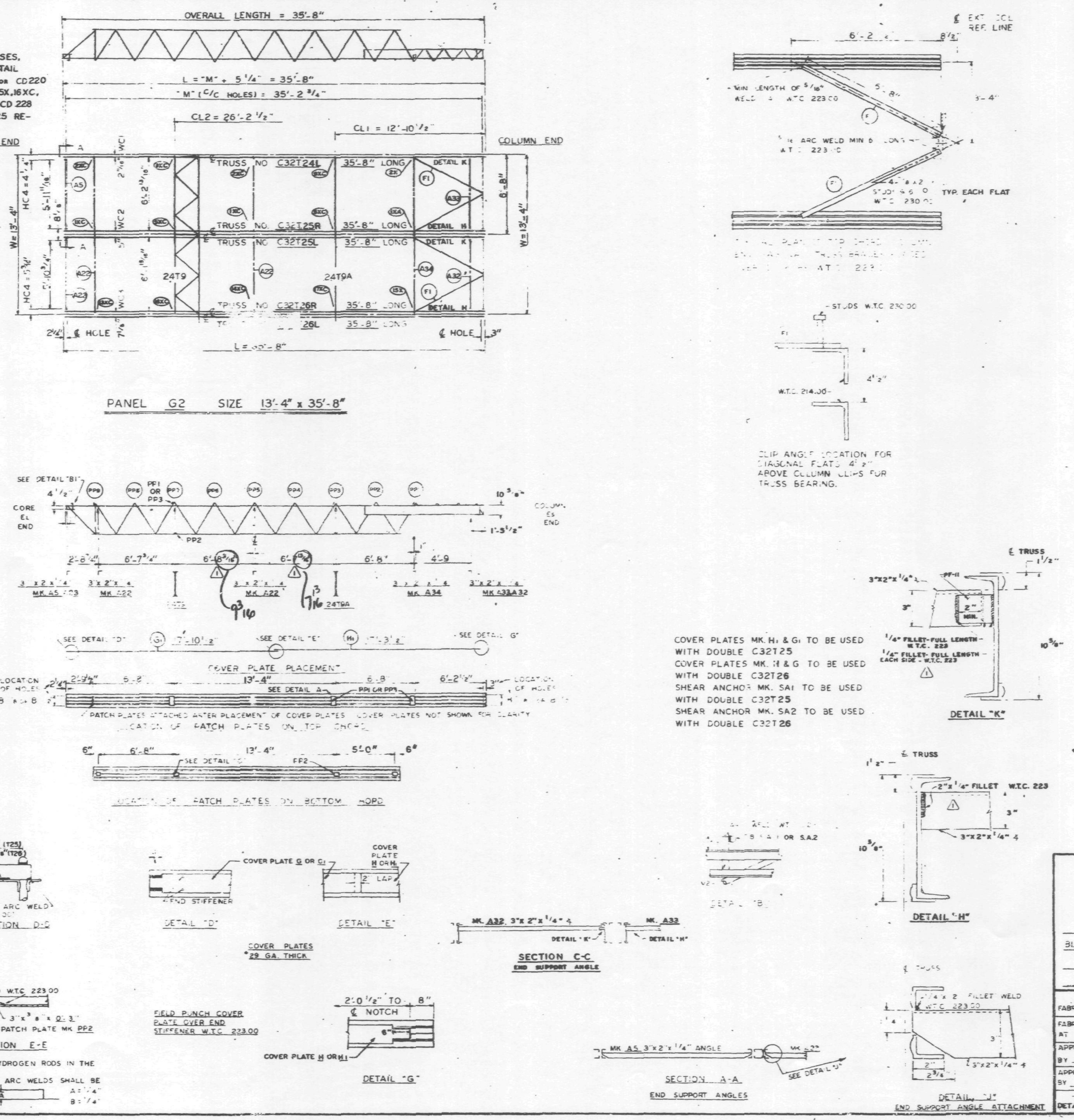
FABRICATION BY LACLEDE STEEL COMPANY

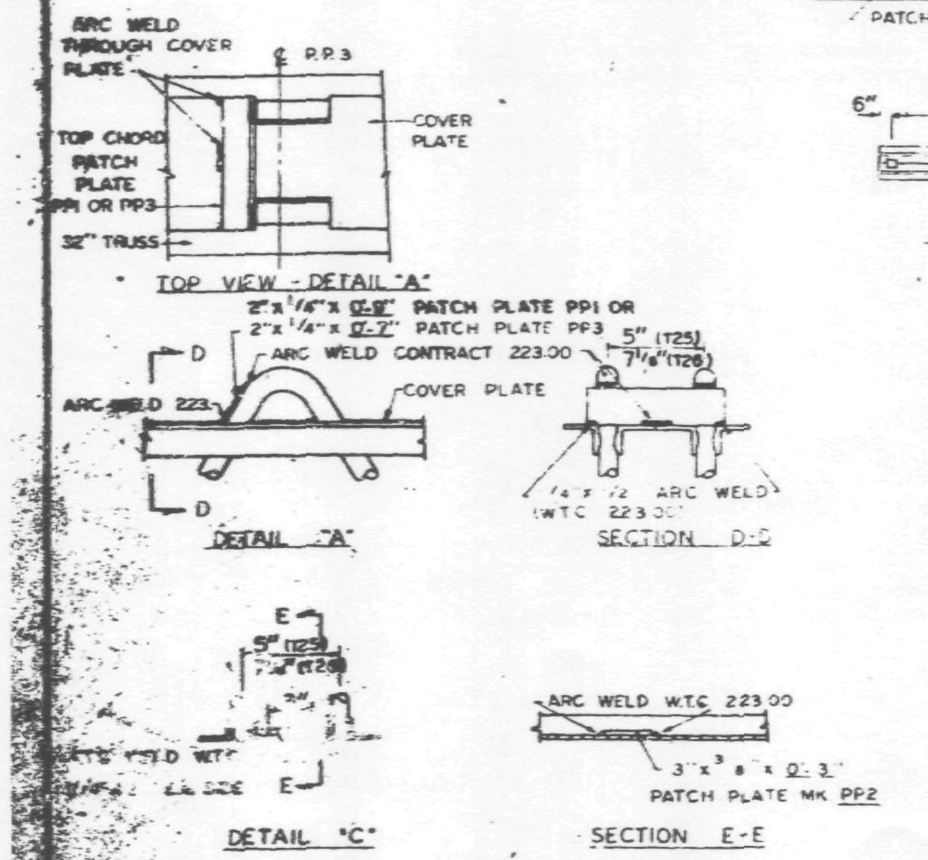
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-39	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. — DATE 6/6/69	DRAWN BY [illegible] DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. — DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969	
DETAILED BY A.C. WEBER	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-HR7

LETTERS AND NUMBERS IN ELLIPSES, INDICATE CONNECTION DETAIL SHOWN ON SHEET CD211 CD218 or CD220 SPECIAL CONNECTIONS 13XC, 14XC, 15X, 16XC, AND 17XC ARE SHOWN ON SHEETS CD 228 CD226, CD210, CD227, AND CD 225 RESPECTIVELY.

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T26
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T25





NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T24L	1	C32T24L x 35'-8"	ST 224L
	T25L	1	C32T25L x 35'-8"	ST 225L
	T25R	1	C32T25R x 35'-8"	ST 225L
	T26L	1	C32T26L x 35'-8"	ST 226L
	T26R	1	C32T26R x 35'-8"	ST 226L
BRIDGING TRUSSES	T9	1	24T9 x 13'-2 3/4"	ST 209
	T9A	1	24T9A x 13'-2 3/4"	ST 209A
3"x 2"x 1/4" ANGLE	A5	1	3"x 2"x 1/4"x 6'-1 13/16"	ST 403
	A22	2	3"x 2"x 1/4"x 13'-3 1/2"	ST 403
	A23	1	3"x 2"x 1/4"x 6'-5 1/2"	ST 405
	A32	1	3"x 2"x 1/4"x 5'-3 1/2"	ST 410
	A33	1	3"x 2"x 1/4"x 5'-10 1/2"	ST 410
	A34	1	3"x 2"x 1/4"x 13'-8 3/16"	ST 410
PATCH PLATES	PP1	4	2"x 1/4"x 0'-9"	ST 400
	PP2	8	3"x 3/8"x 0'-3"	ST 400
	PP3	4	2"x 1/4"x 0'-7"	ST 400
COVER PLATES	H	1	9"x .0135"x 17'-3 1/2"	ST 304
	H1	1	7"x .0135"x 17'-3 1/2"	ST 304
	G	1	9"x .0135"x 17'-10 1/2"	ST 303
	G1	1	7"x .0135"x 17'-10 1/2"	ST 303
ANGLE CLIPS	C1	8	2"x 1 1/2"x .25"x 6"	ST 400
#5, SHEAR ANCHOR	SA1	1	#5 REBAR x 0'-7"	ST 400
	SA2	1	#5 REBAR x 0'-9"	ST 400
DIAGONAL FLATS	F1	4	1 1/2"x 3/8"x 6'-8"	ST 402
CLOSURE PLATES	PF-11	2	3"x 1/4"x 0'-2 3/8"	ST 412
SPECIAL CONNECTION UNITS	13XC	1	SEE REF. DRWG.	ST 274
	14XC	1	SEE REF. DRWG.	ST 272
	15X	1	SEE REF. DRWG.	ST 275
	16XC	1	SEE REF. DRWG.	ST 273
	17XC	1	SEE REF. DRWG.	ST 271

NO.	DATE	REVISION
⚠	2-4-69	AS NOTED

REF. DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-38
7-AB3-36	10-4-68
7-AB1-22 & 23	10-4-68
7-AB2-4	7-22-68

SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
X APPROVED AS NOTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

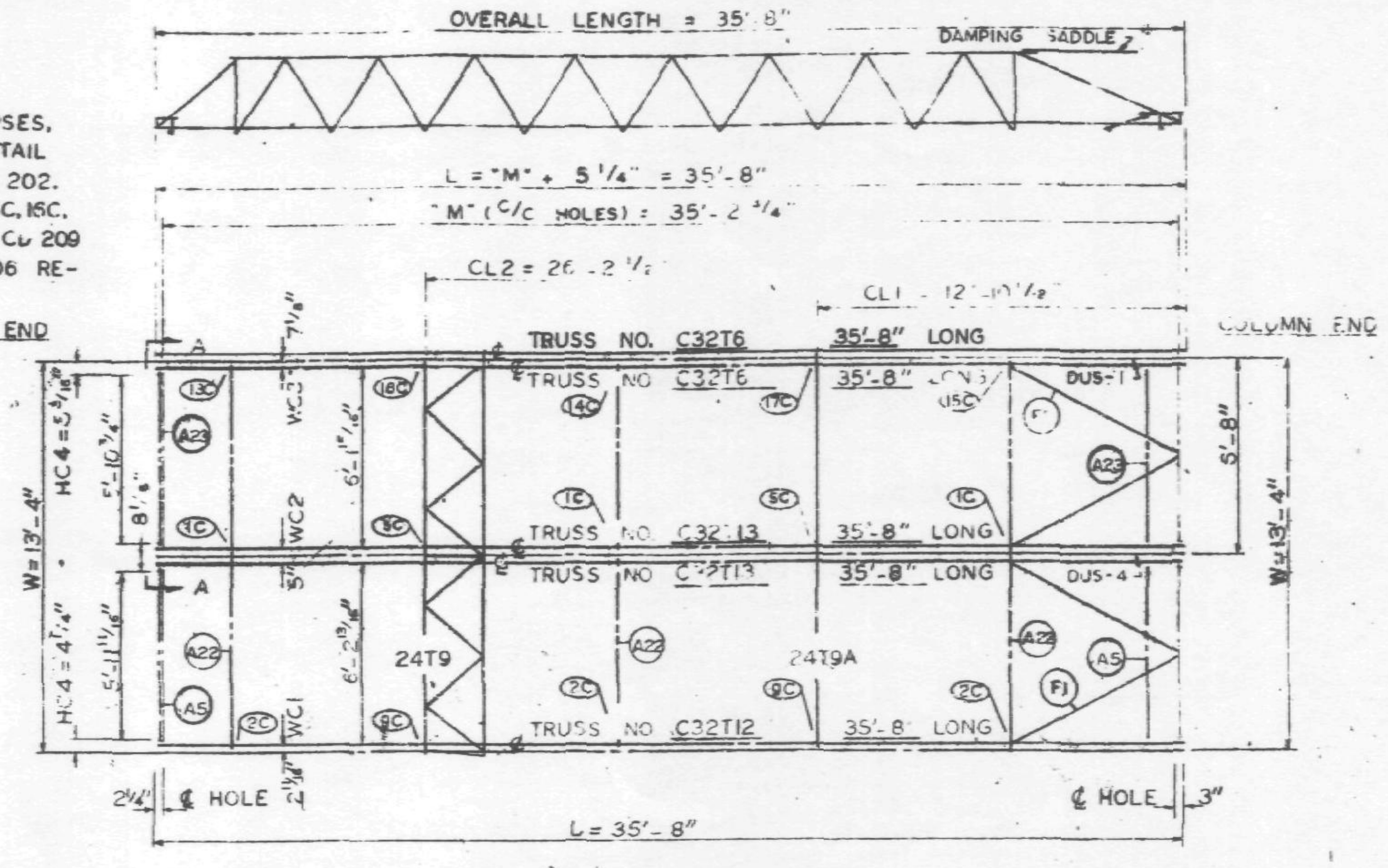
BLDG. A FLOORS 25, 59, 92 (EAST & WEST)

PANEL G2 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

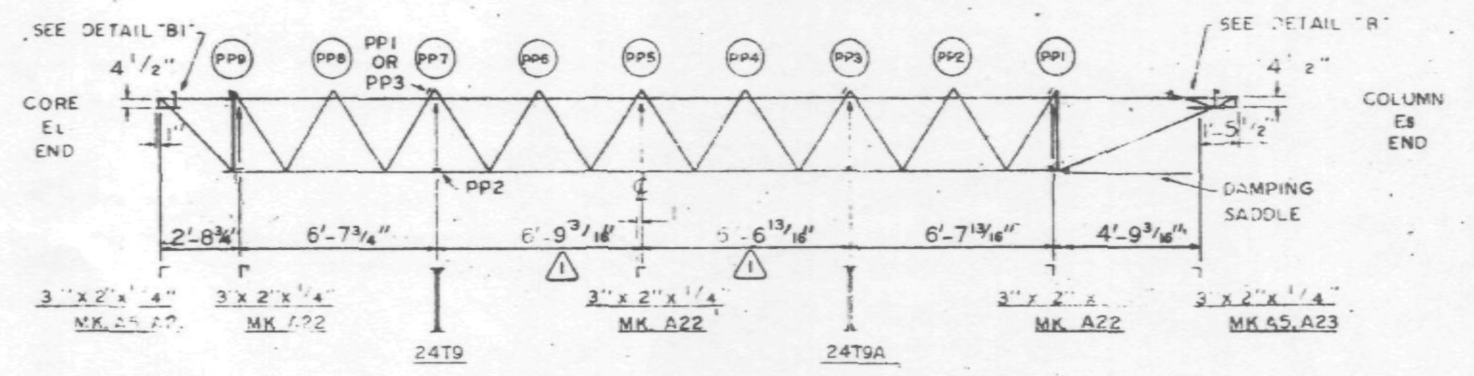
FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO. 7-AB3-36 10-4-68 PLATE	
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY ____ DATE JAN 2, 1969	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE JAN 3, 1969	
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-G2

LETTERS AND NUMBERS IN ELLIPSES, ie.(1C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209 CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.

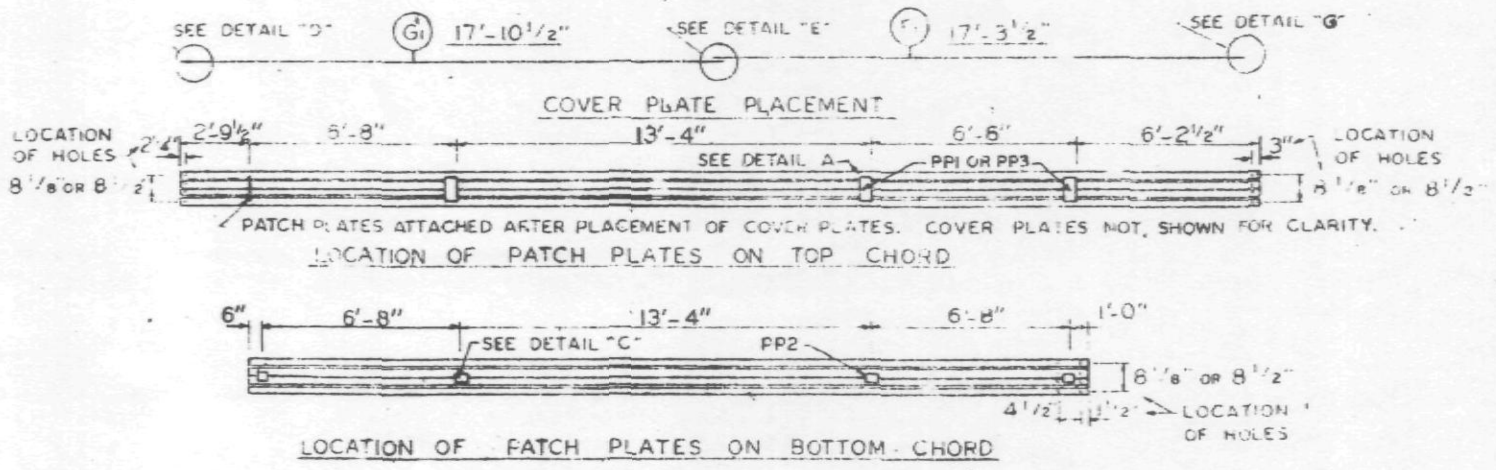


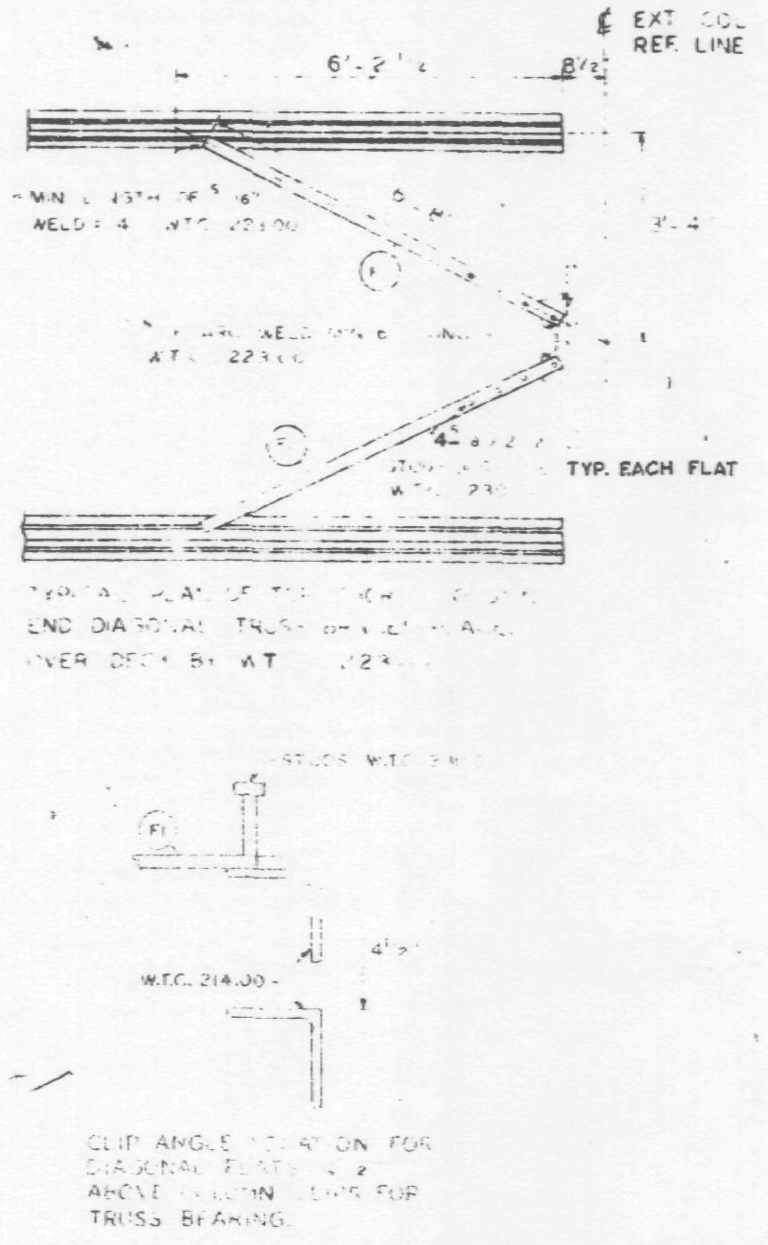
PANEL GR1 SIZE. 13'-4" x 35'-8"

¢ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ¢ ON THE COLUMN CLIPS & BRACES.



PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.





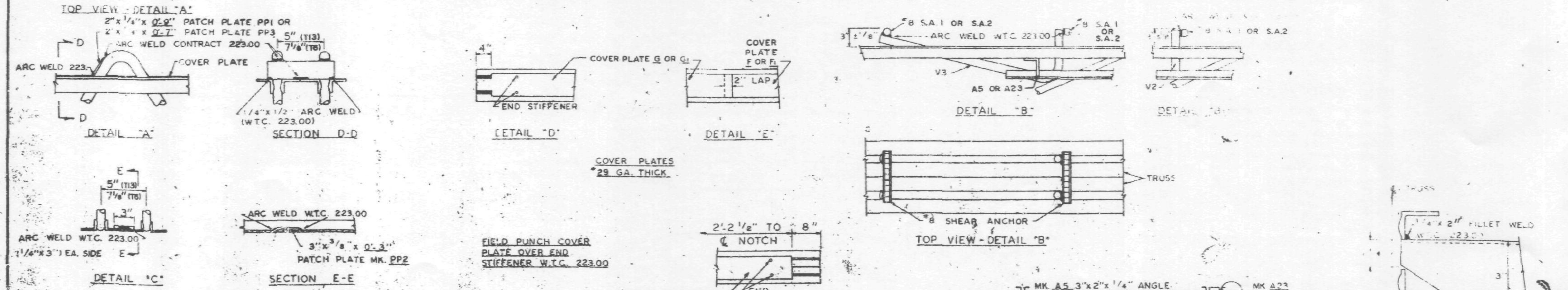
COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 206
	T12	1	C32T12 - 35'-8"	ST 212
	T13	2	C32T13 - 35'-8"	ST 213
BRIDGING TRUSSES	T9	1	24T9 - 13'-2 3/4"	ST 209
	T9A	1	24T9A - 13'-2 3/4"	ST 209A
[illegible]	A5	2	3"x2"x1/4"x6'-1 13/16"	ST 403
	A22	2	3"x2"x1/4"x13'-3 1/2"	ST 405
	A23	2	3"x2"x1/4"x6'-0 7/8"	ST 405
DIAGONAL FLATS	[illegible]	4	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	4	2" x 1/4" x 0'-9"	ST 400
	PP2	8	3" x 3/8" x 0'-3"	ST 400
	PP3	4	2" x 1/4" x 0'-7"	ST 400
COVER PLATES	G1	1	7" x .0135" x 17'-10 1/2"	ST 303
	F1	1	7" x .0135" x 17'-3 1/2"	ST 303
	G	1	9" x .0135" x 17'-10 1/2"	ST 303
	F	1	9" x .0135" x 17'-3 1/2"	ST 303
ANGLE CLIPS	C1	2**	2"x1 1/2"x1/4"x6"	ST 400
	C2	6**	2 1/2"x1 1/2"x1/4"x6"	
(3)	C1	8*	2"x1 1/2"x1/4"x6"	ST 400
*5 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
	SA2	3	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-4	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	ST 271

(3) *CHANGE BECOMES EFFECTIVE AFTER 33RD FLOOR, TOWER A.
**UP TO FLOOR 33, TOWER A.

NO.	DATE	REVISION	BY
3	6-3-69	AS NOTED	G.D.C.
2	4-18-69	AS NOTED	G.D.C.
1	2-21-69	AS NOTED	G.D.C.

7-AB4-1 & 31	[illegible]
7-AB4-5 & 16	[illegible]
7-AB4-39-41	3-58
SA-12 4	[illegible]
7-AB3-2	[illegible]
7-AB1-11 & 12	5-10-68
7-AB2-4	4-1-68
7-AB4-42	4-1-68



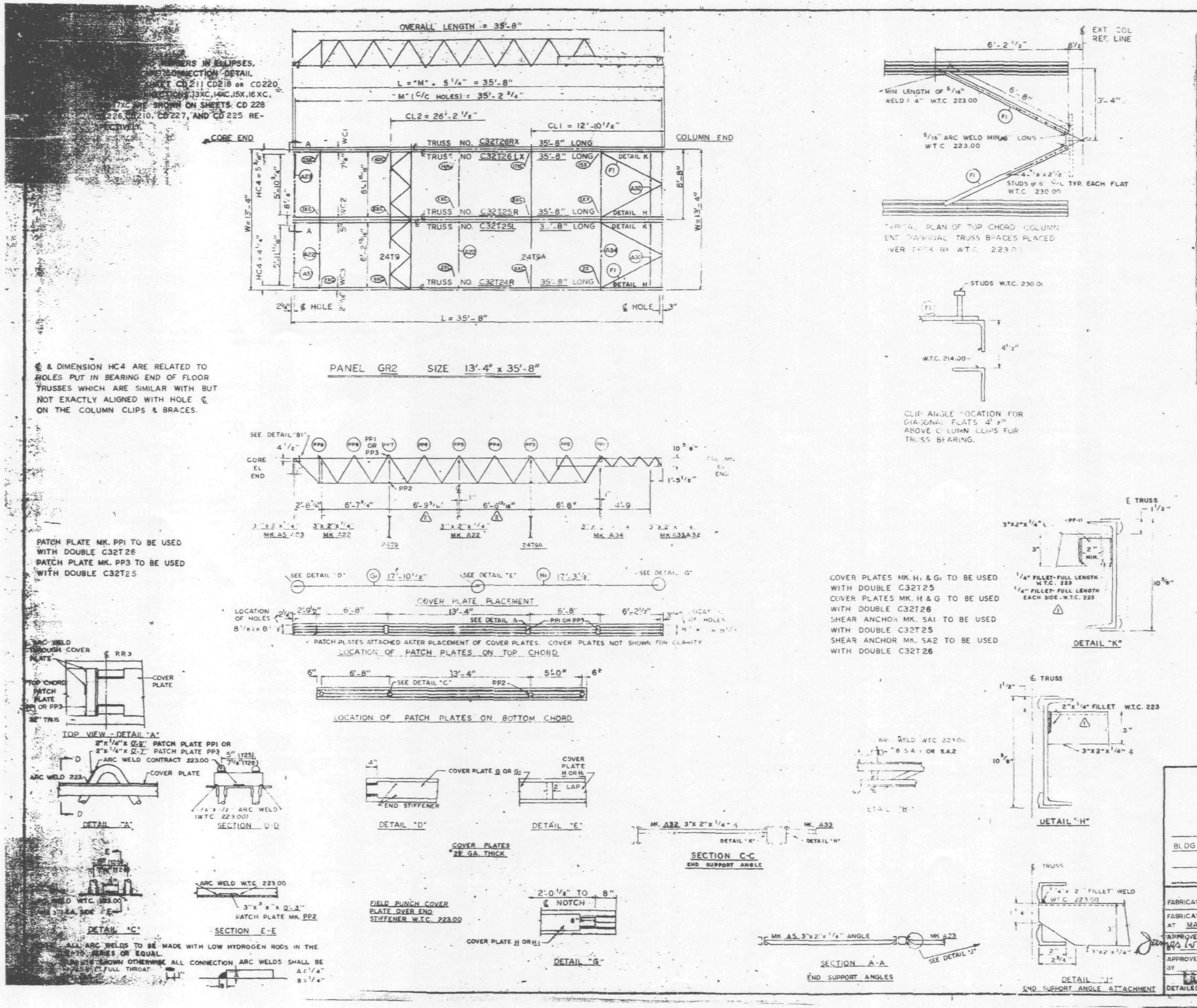
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL "T" COAT FILLET. A = 1/4" B = 1/4"

... DETAILS
... CENTER - N.Y.C.
FOR
... NEW YORK AUTHORITY

BLDG. A ... 38-40, 50-58, 60-66, 68-74, 84-91 &
93-106 (EAST & WEST) 79-83 (W) 46-49 (E) PANEL GR1 13'-4" x 35'-8"
(3) BLDG. B, FLOORS 14-24, 26-40, 50-58, 60-74, 84-91 & 93 ... (N & S) ... 83 (S) 46-49 (N)

FABRICATION BY ... STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-16 5-10-68 PLATE
APPROVED FOR FABRICATION BY [signature] DATE 6/12/69	DRAWN BY [signature] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY ... FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE APRIL 10, 1968
DETAILED BY A.C. WEBER	FABRICATION CONT. NO W.T.C. 221
	SHEET NO. FP-GR1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES ⚠1	T24R	1	C32T24R x 35'-8"	ST 224L
	T25L	1	C32T25L x 35'-8"	ST 225L
	T25R	1	C32T25R x 35'-8"	ST 225L
	T26LX	1	C32T26LX x 35'-8"	ST 226L
	T26RX	1	C32T26RX x 35'-8"	ST 226L
BRIDGING TRUSSES	T9	1	24T9 x 13'-2	ST 209
	T9A	1	24T9A x 13'-2 4"	ST 209A
3"x2"x1/4" ANGLE	A5	1	[illegible]	ST 403
	A22	2	[illegible]	ST 403
	A23	1	[illegible]	ST 405
	A32	1	[illegible]	ST 410
	A33	1	[illegible]	ST 410
	A34	1	[illegible]	ST 410
PATCH PLATES	PP1	4	2"x 1/4"x 0'-9"	ST 400
	PP2	8	3"x 3/8"x 0'-3"	ST 400
	PP3	[illegible]	[illegible] x 0'-7"	ST 400
COVER PLATES	H	[illegible]	9"x .0135"x 17'-3 1/2"	ST 304
	H1	1	7"x .0135"x 17'-3 1/2"	ST 304
	G	1	9"x .0135"x 17'-10 1/2"	ST 303
	G1	1	7"x .0135"x 17'-10 1/2"	ST 303
ANGLE CLIPS	C1	8	[illegible]	ST 400
#6 SHEAR ANCHOR	SA1	1	[illegible] REBAR x 0'-7"	ST 400
	SA2	1	[illegible] REBAR x 0'-9"	ST 400
DIAGONAL FLATS	F1	4	[illegible]	ST 402
[illegible] PLATES	[illegible]	[illegible]	3"x 1/4"x 0'-2 3/4"	ST 412
SPECIAL CONNECTION UNITS	13XC	1	SEE REF. DRWG.	ST 274
	14XC	1	SEE REF. DRWG.	ST 272
	15X	1	SEE REF. DRWG.	ST 275
	16XC	1	SEE REF. DRWG.	ST 273
	17XC	1	SEE REF. DRWG.	ST 271

NO.	DATE	REVISION	BY
2	3-11-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-68
7-AB3-37	10-4-68
7-AB1-22 & 23	10-4-68
7-AB2-4	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 25, 59, 92 (EAST & WEST)

PANEL GR2 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-37 10-4-68 PLATE

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 3/24/69

DRAWN BY [illegible] DATE JAN 2, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

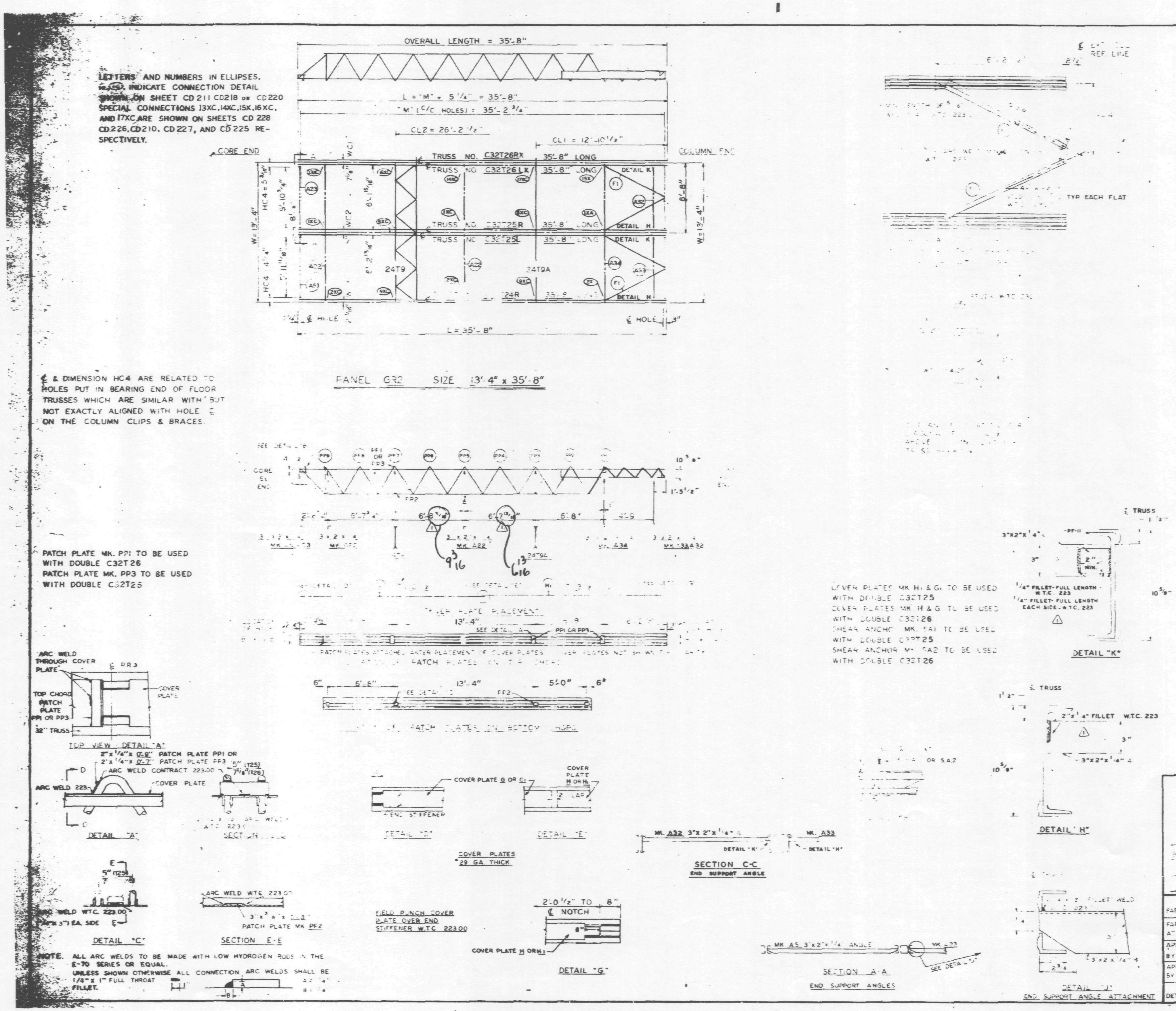
CHECKED BY T.M. CHUBA DATE JAN 3, 1969

LACLEDE STEEL CO.

DETAILED BY A.C. [illegible]

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-GR2



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES ⚠1	T24R	1	C32T24R x 35'-8"	ST 224L
	T25L	1	C32T25L x 35'-8"	ST 225L
	T25R	1	C32T25R x 35'-8"	ST 225L
	T26LX	1	C32T26LX x 35'-8"	ST 226L
	T26RX	1	C32T26RX x 35'-8"	ST 226L
BRIDGING TRUSSES	T9	1	24T9 x 13'-2 3/4"	ST 209
	T9A	1	24T9A x 13'-2 3/4"	ST 209A
3"x2"x1/4" ANGLE	A5	1	3"x2"x1/4"x6'-1 13/16"	ST 403
	A22	2	[illegible]	ST 403
	A23	1	[illegible]	ST 405
	A32	1	3"x2"x1/4"x5'-3 1/2"	ST 410
	A33	1	3"x2"x1/4"x5'-10 1/2"	ST 410
	A34	1	[illegible]	ST 410
PATCH PLATES	PP1	4	2"x1/4"x0'-8"	ST 400
	PP2	[illegible]	3"x3/8"x0'-3"	ST 400
	PP3	[illegible]	2"x1/4"x0'-7"	ST 400
COVER PLATES	H	1	3"x.0135"x17'-3 1/2"	ST 304
	H1	[illegible]	[illegible]	ST 304
	G	1	3"x.0135"x17'-10 1/2"	ST 303
	G1	1	[illegible]	ST 303
ANGLE CLIPS	[illegible]	8	[illegible]	ST 400
SHEAR ANCHOR	SA1	[illegible]	[illegible] REBAR x 0'-7"	ST 400
	SA2	1	[illegible] REBAR x 0'-9"	ST 400
DIAGONAL FLATS	F1	4	[illegible]	ST 402
CLOSURE PLATES	PF-11	2	[illegible]	ST 410
FIELD CONNECTION UNITS	13XC	1	SEE REF. DRWG.	ST 274
	14XC	1	SEE REF. DRWG.	ST 272
	15X	1	SEE REF. DRWG.	ST 275
	16XC	1	SEE REF. DRWG.	ST 277
	17XC	1	SEE REF. DRWG.	[illegible]

NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.	
7-AB4-5	10-15-68
7-AB4-5 & 6	7-22-68
7-AB4 15.2	10-4-68
SA 24	10-11-68
7-AB3 37	10-4-68
7-AB1 22 & 23	10-4-68
7-AB2 4	7-22-68

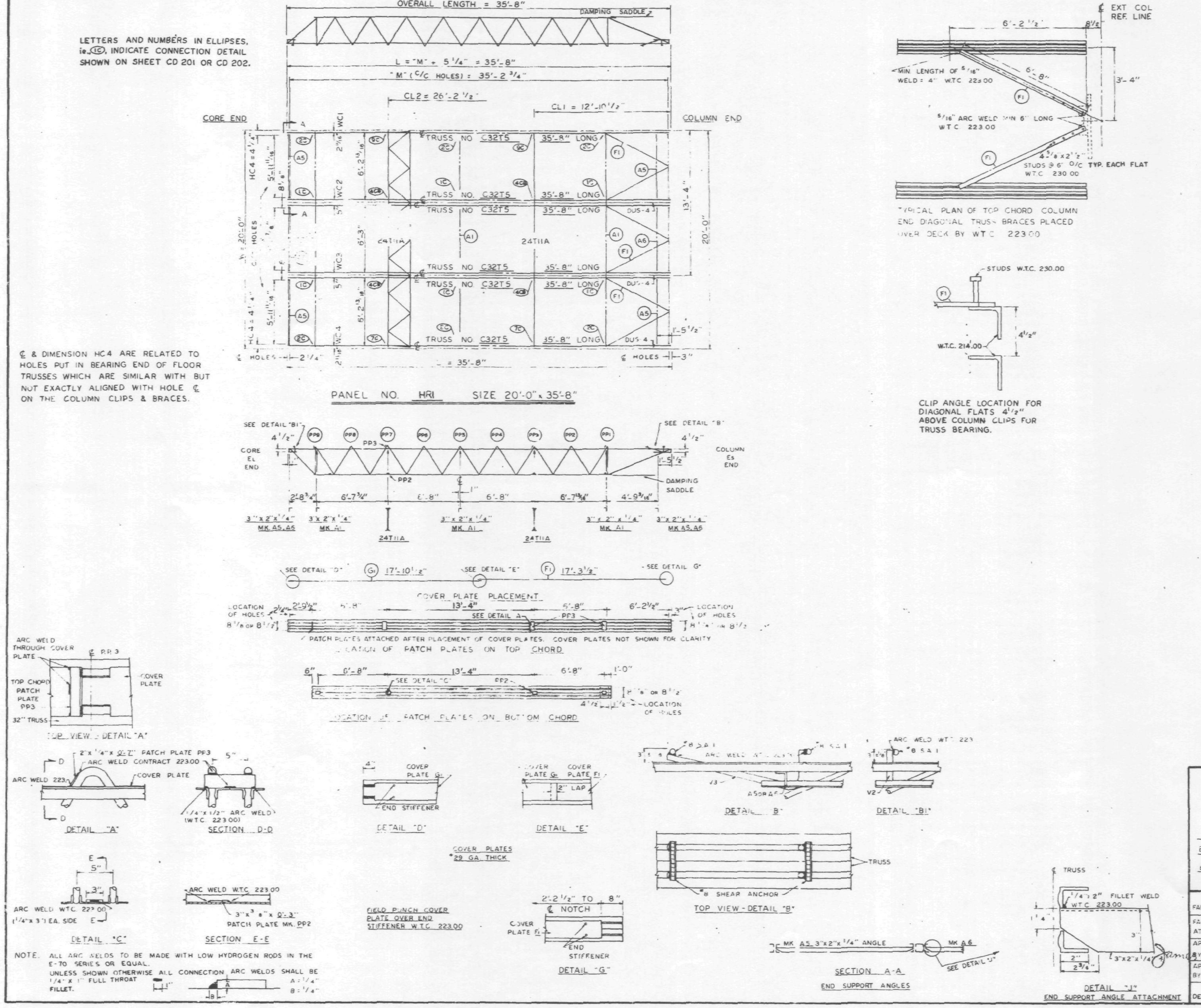
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 25, 59, 92 (EAST & WEST)

PANEL GR2 -- 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS	DESIGN DRAWING NO. 7-AB3-37 10-4-68 PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE	DRAWN BY ____ DATE JAN 2 1969
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE	CHECKED BY T.M. OHURA DATE JAN 3, 1969
DETAILED BY LACLEDE STEEL CO.	FABRICATION CONT. NO. W.T.C. 221 — SHEET NO. FP-GR2



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3"x 2"x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x 6'-2"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP3	12	2"x 1/4"x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x 0135"x 17'-10 1/2"	ST 303
	F1	1	7"x 0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	4	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2"x 3 1/2"x 3/8"x 3 6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x .39"x 0'-9"	ST 400
△1	P7	2	5 1/2"x 1/2"x 1'-0"	ST 401

△1	10-16-68	LIST OF MATERIAL	G.D.C.
NO.	DATE	REVISION	BY

REF. DWG.
7-AB4-3 & 31 — 1-3-68
7-AB4-5 & 16 — 5-6-68
7-AB4-39-41 — 1-3-68
SA-24 — 10-20-67
7-AB3-2 — 1-3-68
7-AB1-11 & 12 — 5-10-68
7-AB2-6 — 2-15-68
7-AB4-42 — 4-1-68

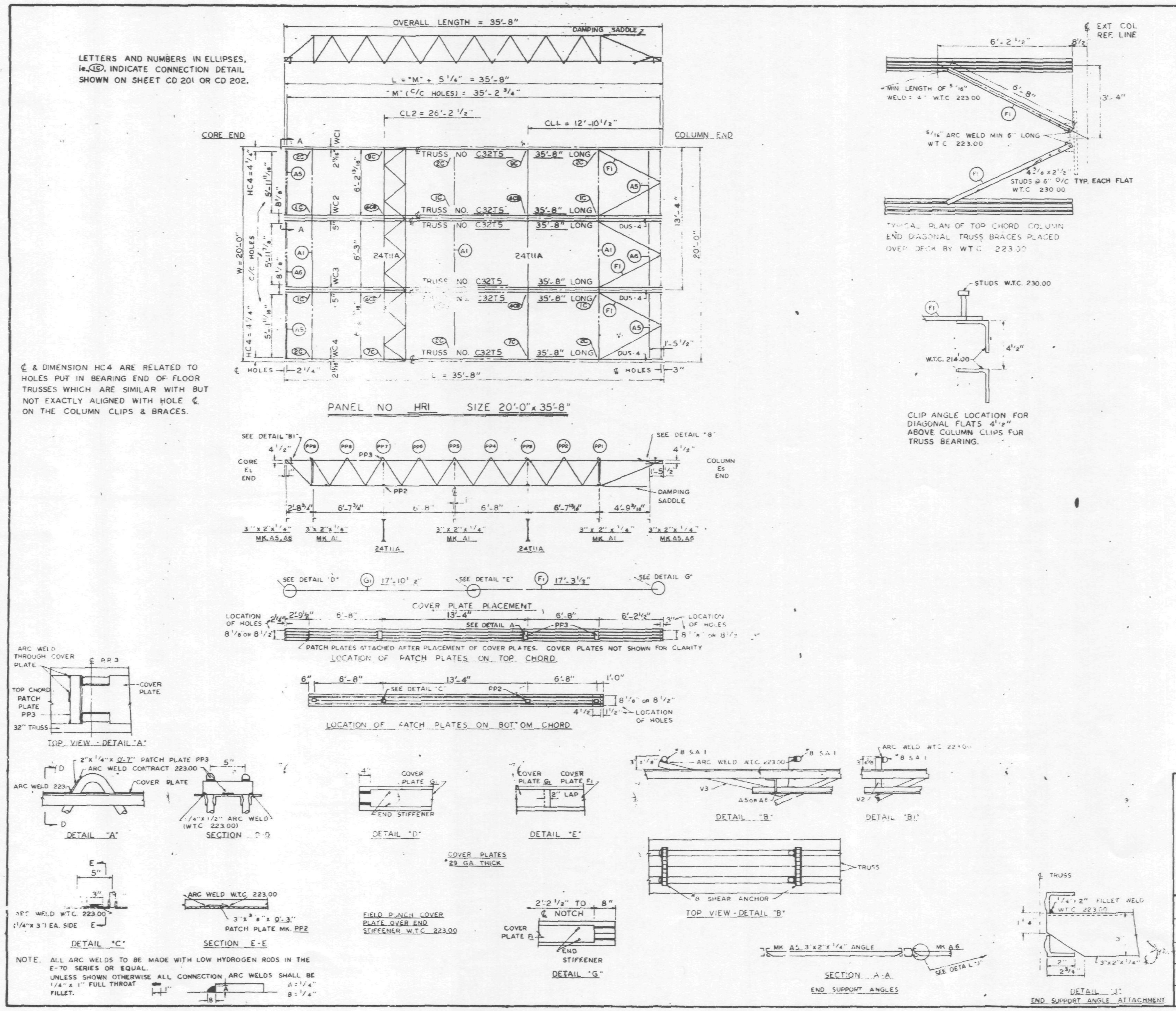
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40 (EAST & WEST) 46-49, 50-58, 60-66, 68-74 (EAST)
PANEL HR1 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO. 7-AB3-18 5-10-68 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 10/21/68
DRAWN BY [initials] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 10, 1968
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-HR1

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202.

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.



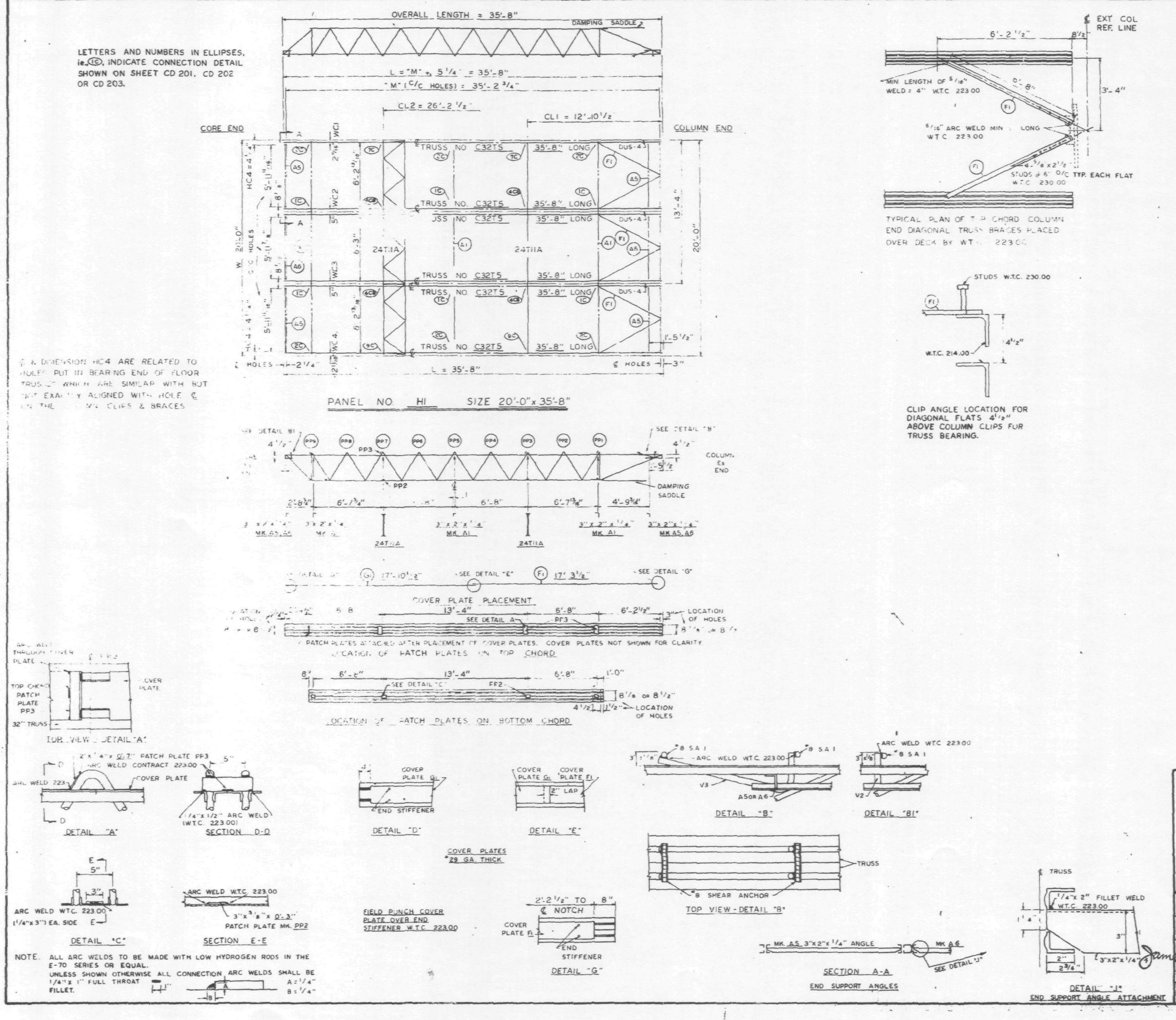
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4" B = 1/4"

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3" x 2" x 1/4" ANGLE	A1	3	3" x 2" x 1/4" x 19'-11"	ST 403
	A5	4	3" x 2" x 1/4" x 6'-1 13/16"	ST 403
	A6	2	3" x 2" x 1/4" x 6'-2"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP3	12	2" x 1/4" x 0'-7"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	G1	3	7" x 0135" x 17'-10 1/2"	ST 303
	F1	3	7" x 0135" x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	2	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2" x 3 1/2" x 3/8" x 1'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" Φ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P3	2	4 1/2" x .39" x 1'-0"	ST 400

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40 (EAST & WEST) 46-48, 50-58, 60-66, 68-74 (EAST)
PANEL HR1 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-16 5 10 68
APPROVED FOR FABRICATION BY FOR PONYA — DATE 8/16/68
DRAWN BY — DATE APRIL 0, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY T.M.CHUHA — DATE APRIL , 1968
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-HR1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	ST211A
3" x 2" x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-1"	ST403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x 6'-2"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x 6'-8"	ST402
PATCH PLATES	PP3	12	2"x1/4"x 0'-7"	ST 400
	PP2	12	3"x3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x 0135"x 17'-10 1/2"	ST 303
	F1	3	7"x 0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x1 1/2"x1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE (1)	DUS-4	3	3 1/2"x3 1/2"x3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES (1)	P1	3	3 1/2"x3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x.39"x 0'-9"	ST 400
	P7	2	6 1/2"x1/2"x 1'-0"	ST 401

NO.	DATE	REVISION	BY
(1)	10-16-68	MATERIAL LIST	G.D.C.

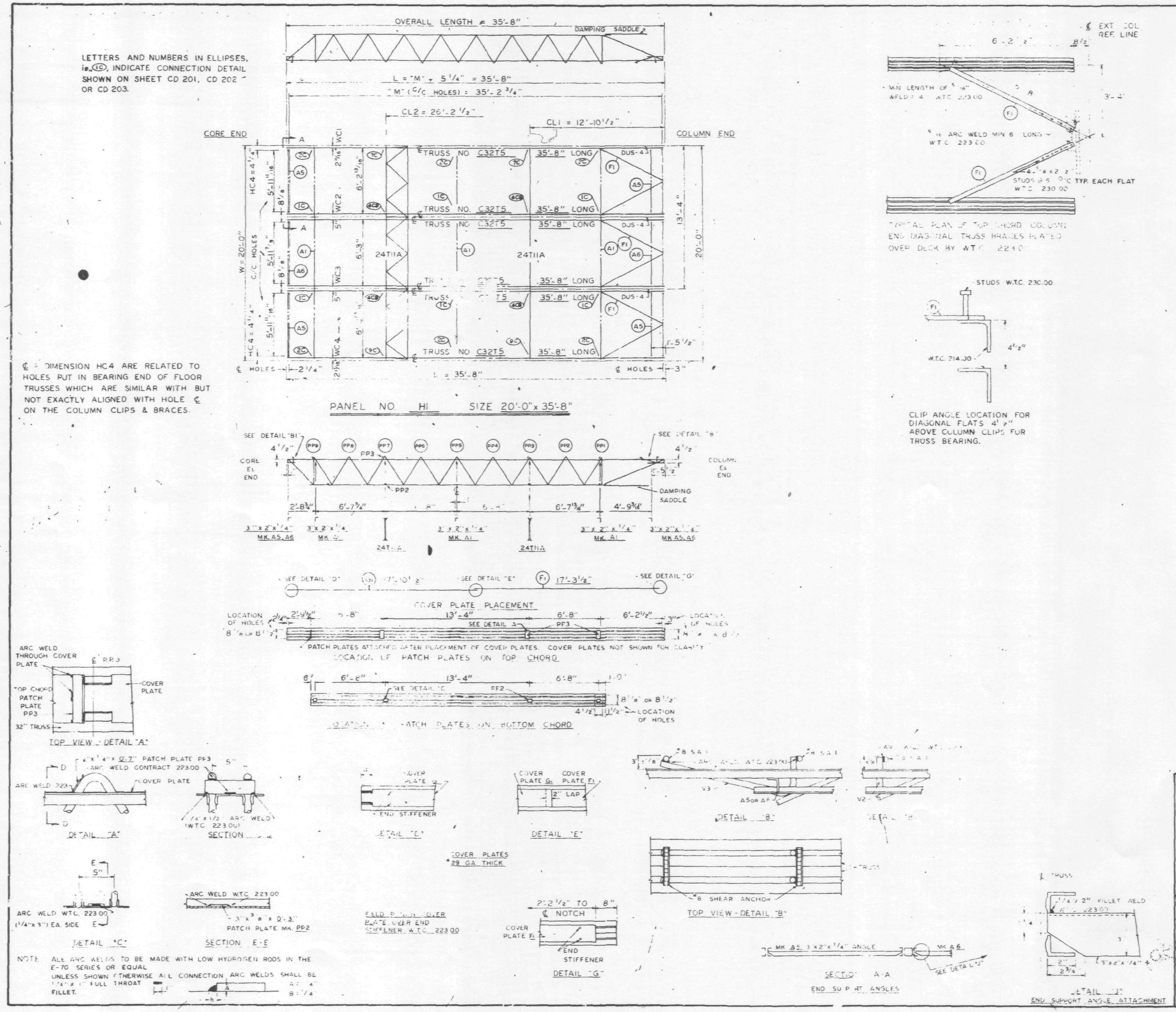
REF. DRWG.

7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 &
93-106 (EAST & WEST) PANEL H1 - 20'-0" x 35'-8"
45-49 (WEST) 80-83 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO. 7-AB3-17 5-10-68 PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 10/21/68
DRAWN BY [signature] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 10, 1968
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-H1



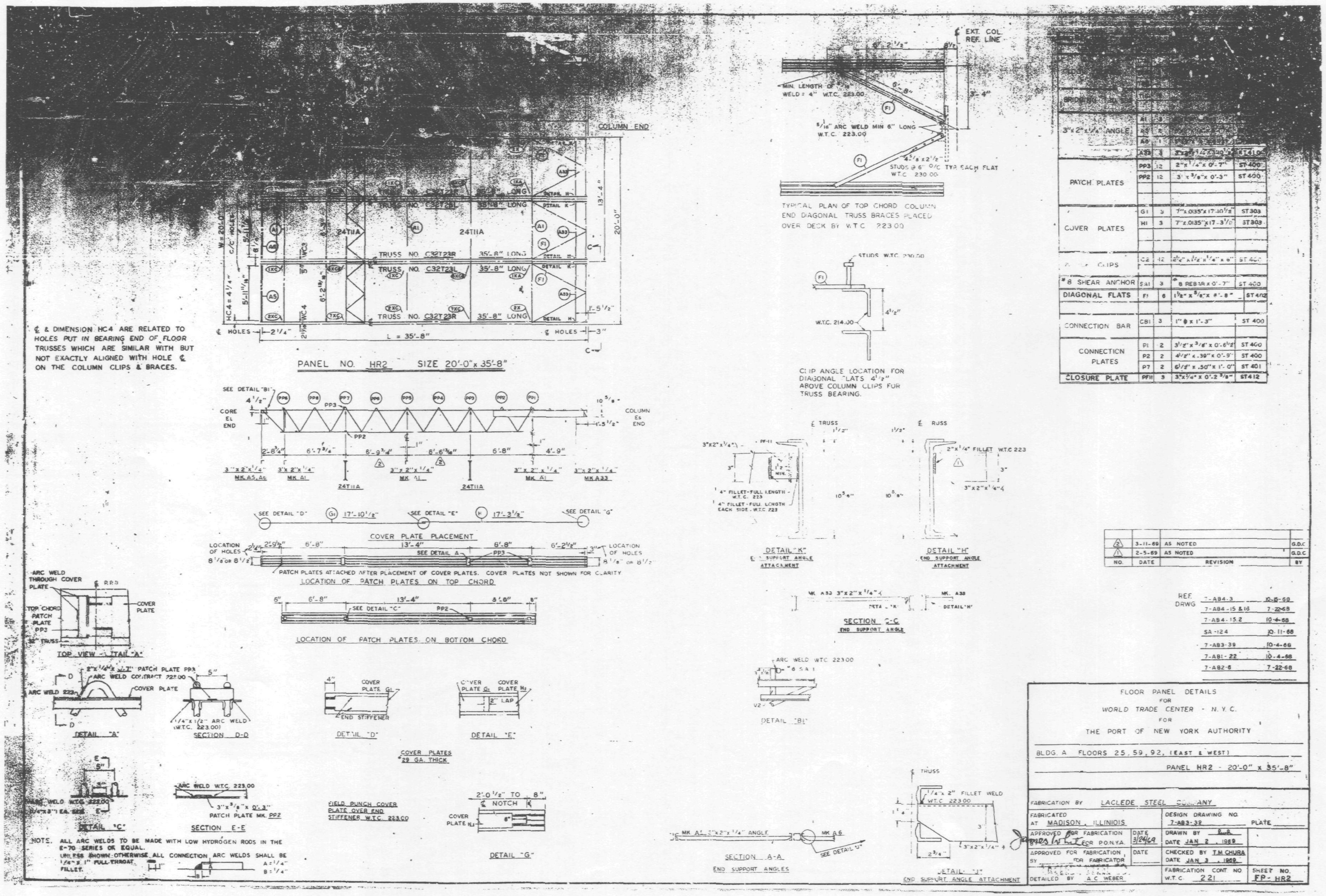
REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3"x 2"x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x 6'-2"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP3	12	2"x 1/4"x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x 0135"x 17'-10 1/2"	ST 303
	F1	3	7"x 0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	4	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" Φ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x .39"x 0'-9"	ST 400
	P3	2	4 1/2"x .39"x 1'-0"	ST 400

REF DRWG	
7-AB4-3 & 3	1-3-68
7-AB4-5 & 6	5-6-68
7-AB4-39-41	1-3-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

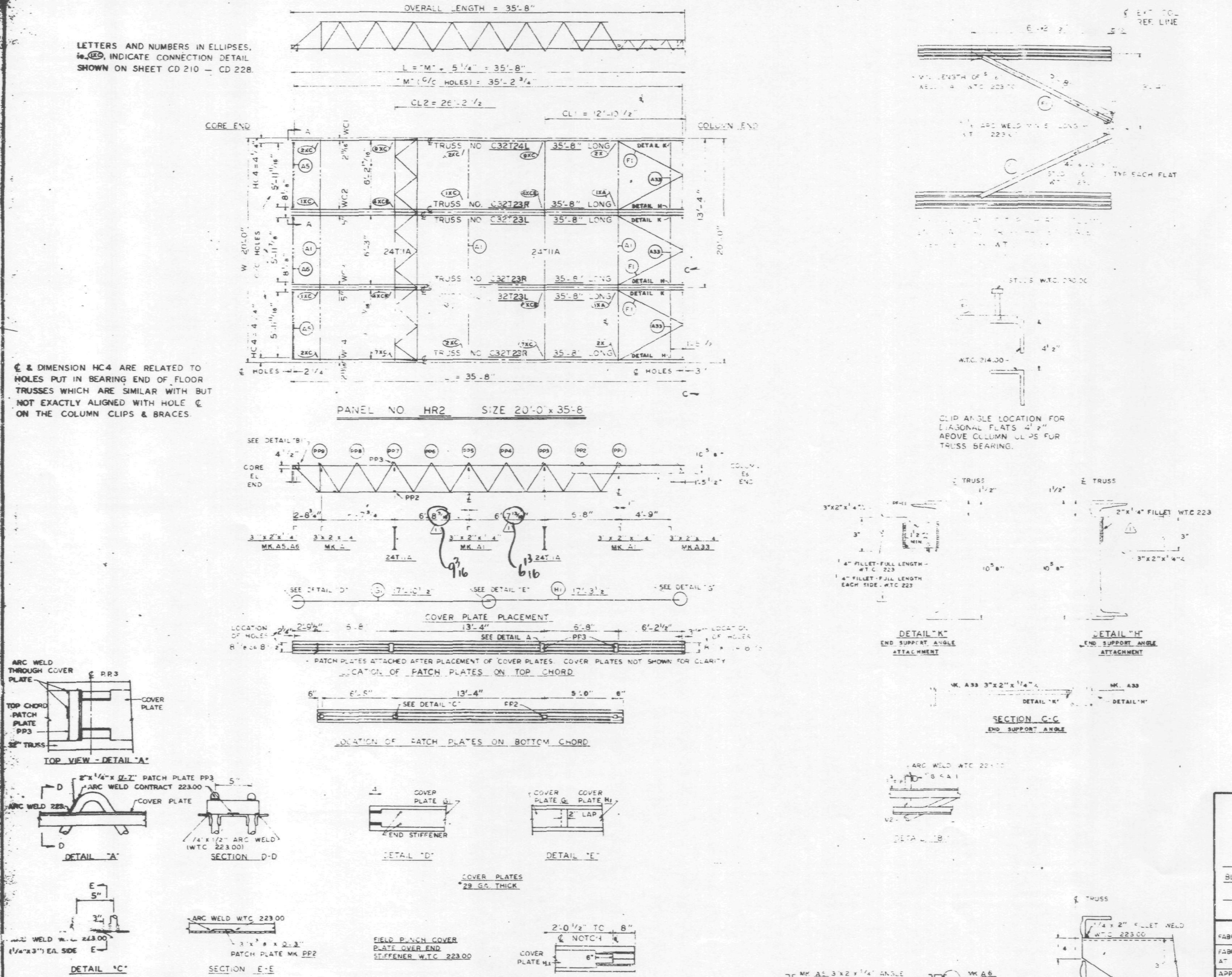
BLDG A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & 93-106 (EAST & WEST) PANEL H1 20'-0" x 35'-8"
45-49 (WEST) 80-83 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-17 5-10-68 PLATE
APPROVED FOR FABRICATION BY ___ FOR PONYA DATE 8/19/68
DRAWN BY ___ DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 10, 1968
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO. FP-H1


PANEL NO. HR2 SIZE 20'-0" x 35'-8"
TRUSS NO. C32T23R 35'-8" LONG
TRUSS NO. C32T23L 35'-8" LONG
TRUSS NO. C32T23R 35'-8" LONG
COLUMN END
L = 35'-8"
℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
CORE END
COLUMN END
24T11A
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
COVER PLATES 28 GA. THICK
DETAIL "C"
SECTION E-E
FIELD PUNCH COVER PLATE OVER END STIFFENER W.T.C. 223.00
DETAIL "G"
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
EXT. COL. REF. LINE
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "K" END SUPPORT ANGLE ATTACHMENT
DETAIL "H" END SUPPORT ANGLE ATTACHMENT
SECTION C-C END SUPPORT ANGLE
DETAIL "B1"
SECTION A-A END SUPPORT ANGLES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
PATCH PLATES | PP3 | 12 | 2" x 1/4" x 0'-7" | ST 400
PP2 | 12 | 3" x 3/8" x 0'-3" | ST 400
COVER PLATES | G1 | 3 | 7" x 0.135" x 17'-10 1/8" | ST 303
H1 | 3 | 7" x 0.135" x 17'-3 1/2" | ST 303
#8 SHEAR ANCHOR | SA1 | 3 | #8 REBAR x 0'-7" | ST 400
DIAGONAL FLATS | F1 | 6 | 1 1/2" x 5/8" x 4'-8" | ST 402
CONNECTION BAR | CB1 | 3 | 1" Ø x 1'-3" | ST 400
CONNECTION PLATES | P1 | 2 | ST 400
P2 | 2 | ST 400
P7 | 2 | ST 401
CLOSURE PLATE | PF11 | 3 | ST 412
2 | 3-11-69 | AS NOTED | G.D.C.
1 | 2-5-69 | AS NOTED | G.D.C.
NO. | DATE | REVISION | BY
REF. DRWG
7-AB4-3 10-8-68
7-AB4-15 & 16 7-22-68
7-AB4-15.2 10-4-68
SA-124 10-11-68
7-AB3-39 10-4-68
7-AB1-22 10-4-68
7-AB2-6 7-22-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25, 59, 92, (EAST & WEST)
PANEL HR2 - 20'-0" x 35'-8"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO. 7-AB3-38 PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 3/24/69
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
DRAWN BY DATE JAN 2, 1969
CHECKED BY T.M CHURA DATE JAN 3, 1969
DETAILED BY A.C WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO. FP-HR2

LETTERS AND NUMBERS IN ELLIPSES, ie. (2XC) INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 210 — CD 228.

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.



NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	2	C32T23L - 35'-8"	ST223L
	T23R	3	C32T23R - 35'-8"	ST 223L
	T24L	1	C32T24L - 35'-8"	ST 224L
BRIDGING TRUSSES	T11A	2	24T11A - 19'-11"	BT211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	2	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	1	3"x2"x1/4"x 6'-2"	ST403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST410
PATCH PLATES	PP3	12	2"x1/4"x 0'-7"	ST 400
	PP2	12	3"x3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x 0135"x 17'-10 1/2"	ST 303
	H1	3	7"x 0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
* 8 SHEAR ANCHOR	SA1	3	# 8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
CONNECTION BAR	CB1	3	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	2	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x .39"x 0'-9"	ST 400
	P7	2	6 1/2"x .50"x 1'-0"	ST 401
CLOSURE PLATE	PF11	3	3"x 1/4"x 0'-2 3/8"	ST412

NO.	DATE	REVISION	BY
1	2-5-69	AS NOTED	G.D.C.

REF. DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-68
7-AB3-39	10-4-68
7-AB1-22	10-4-68
7-AB2-8	7-22-68

SKILLING-HELLE CHRISTIANSEN-ROBERTSON Structural & Civil Engineers — X APPROVED AS NOTED — 2/28/69 SK

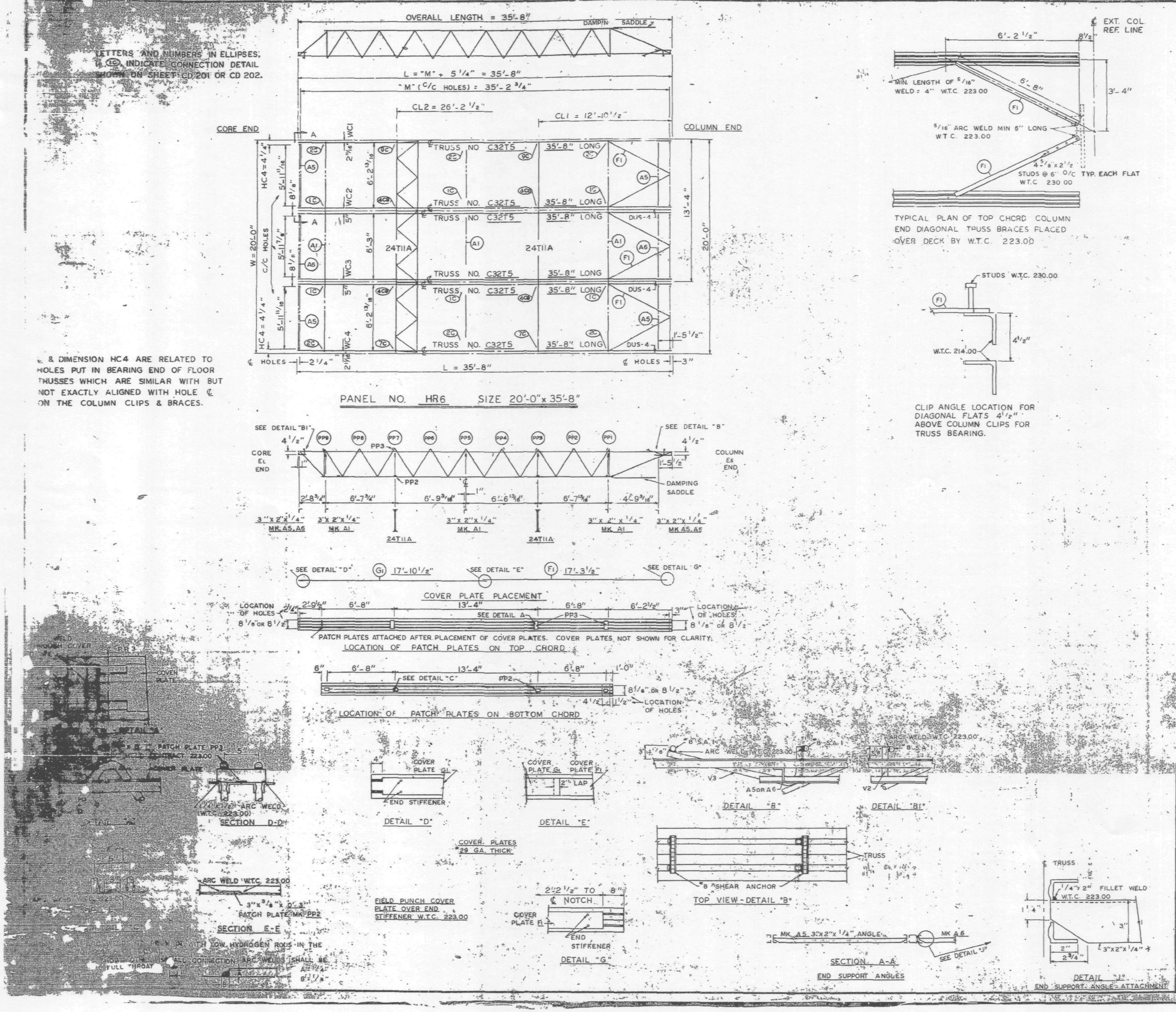
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N. Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92, (EAST & WEST)

PANEL HR2 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO. 7-AB3-39	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY ___ DATE JAN 2, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR (LACLEDE STEEL)	DATE	CHECKED BY T.M. CHUBA DATE JAN 3, 1969	
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-HR2



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3"x 2"x 1/4" ANGLE	A1	3	3"x 2"x 1/4" x 19'-11"	ST 403
	A5	4	3"x 2"x 1/4" x 6'-1 13/16"	ST 403
	A6	2	3"x 2"x 1/4" x 6'-2"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP3	12	2" x 1/4" x 0'-7"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	G1	3	7" x .0135" x 17'-10 1/2"	ST 303
	F1	3	7" x .0135" x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9" (1'-0")	ST 400
	P7	2	6 1/2" x 1/2" x 1'-0" (0'-8")	ST 401

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-6	7-22-68
7-AB4-42	10-15-68

SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
APPROVED
APPROVED AS NOTED
RESUBMIT
REJECTED
Date 7/3/

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N. Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-74 (WEST) 84-91, 93-106 (EAST & WEST)

PANEL HR6 - 20'-0" x 35'-8"

BLDG. B FLOORS 50-58, 60-74 (SOUTH) 84-91, 93 [illegible] (NORTH & SOUTH)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS

DESIGN DRAWING NO. 7-AB3-18 PLATE

APPROVED FOR FABRICATION BY ________ FOR P.O.N.Y.A. DATE

DRAWN BY [illegible] DATE MAY 8, 1969

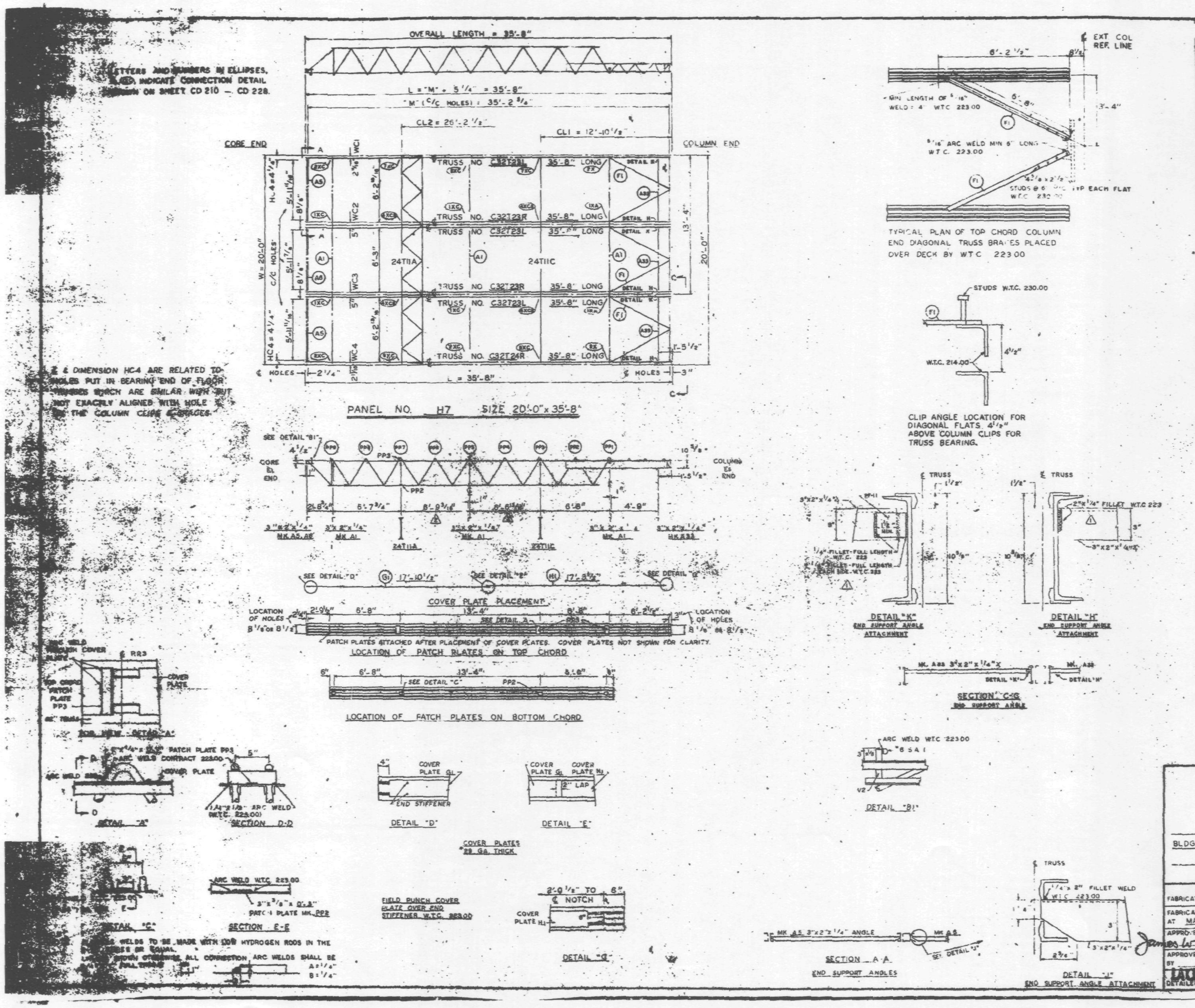
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. DATE

CHECKED BY T.M. CHURA DATE MAY 8, 1969

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-HR6



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	ST 23L
	T23R	2	C32T23R - 35'-8"	ST 23R
	T24R	1	C32T24R - 35'-8"	ST 24R
BRIDGING TRUSSES	T11C	1	24 T11C - 19'-11"	ST 211C
	T11A	1	24T11A - 19'-11"	ST 211A
3" x 2" x 1/4" ANGLE	A1	3	3" x 2" x 1/4" x 19'-11"	ST 403
	A5	2	3" x 2" x 1/4" x 6'-1 13/16"	ST 403
	A6	1	3" x 2" x 1/4" x 6'-2"	ST 403
	A33	3	3" x 2" x 1/4" x 5'-10 1/2"	ST 410
PATCH PLATES	PP3	12	2" x 1/4" x 0'-7"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	G1	3	17" x 0.0375" x 20'-10 1/2"	ST 399
	H1	3	17" x 0.0375" x 17'-3 1/2"	ST 399
ANGLE CLIPS	C2	12	2 1/2" x 1 1/2" x 1/4" x 5"	ST 400
SHEAR ANCHOR	SA1	3	8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	8	1 1/2" x 5/8" x 6'-8"	ST 400
CONNECTION BAR	CB1	3	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	2	3 1/2" x 3/8" x 0'-5 1/2"	ST 400
	P2	2	4 1/2" x .30" x 0'-8"	ST 400
	P7	2	6 1/2" x .50" x 1'-0"	ST 401
CLOSURE PLATE	PR	3	3" x 3/4" x 0'-2"	ST 412

NO.	DATE	REVISION
2	3-11-69	AS NOTED
1	2-4-69	AS NOTED

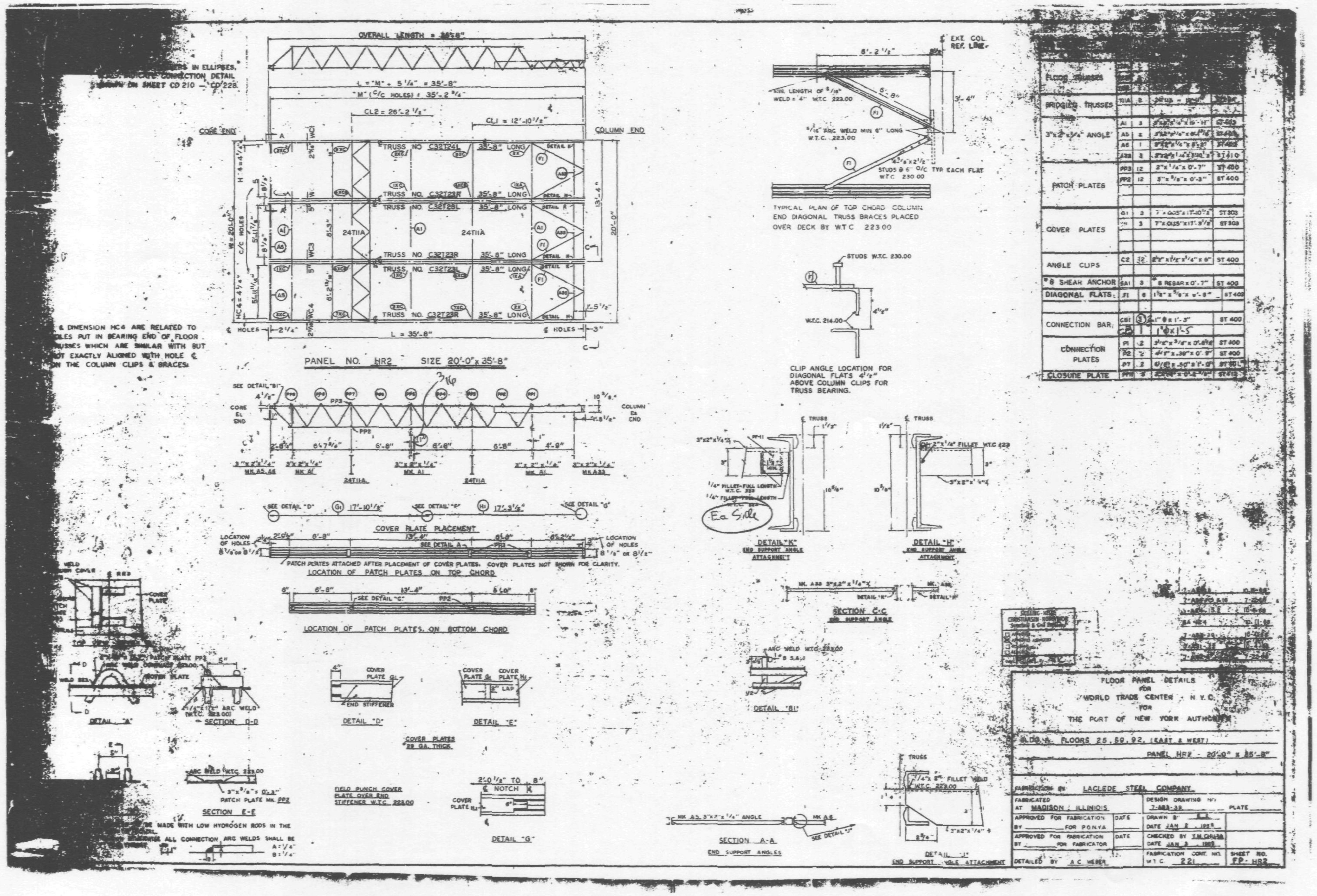
REF. DRWG.	
7-AB4-3	10-?-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-68
7-AB3-38	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

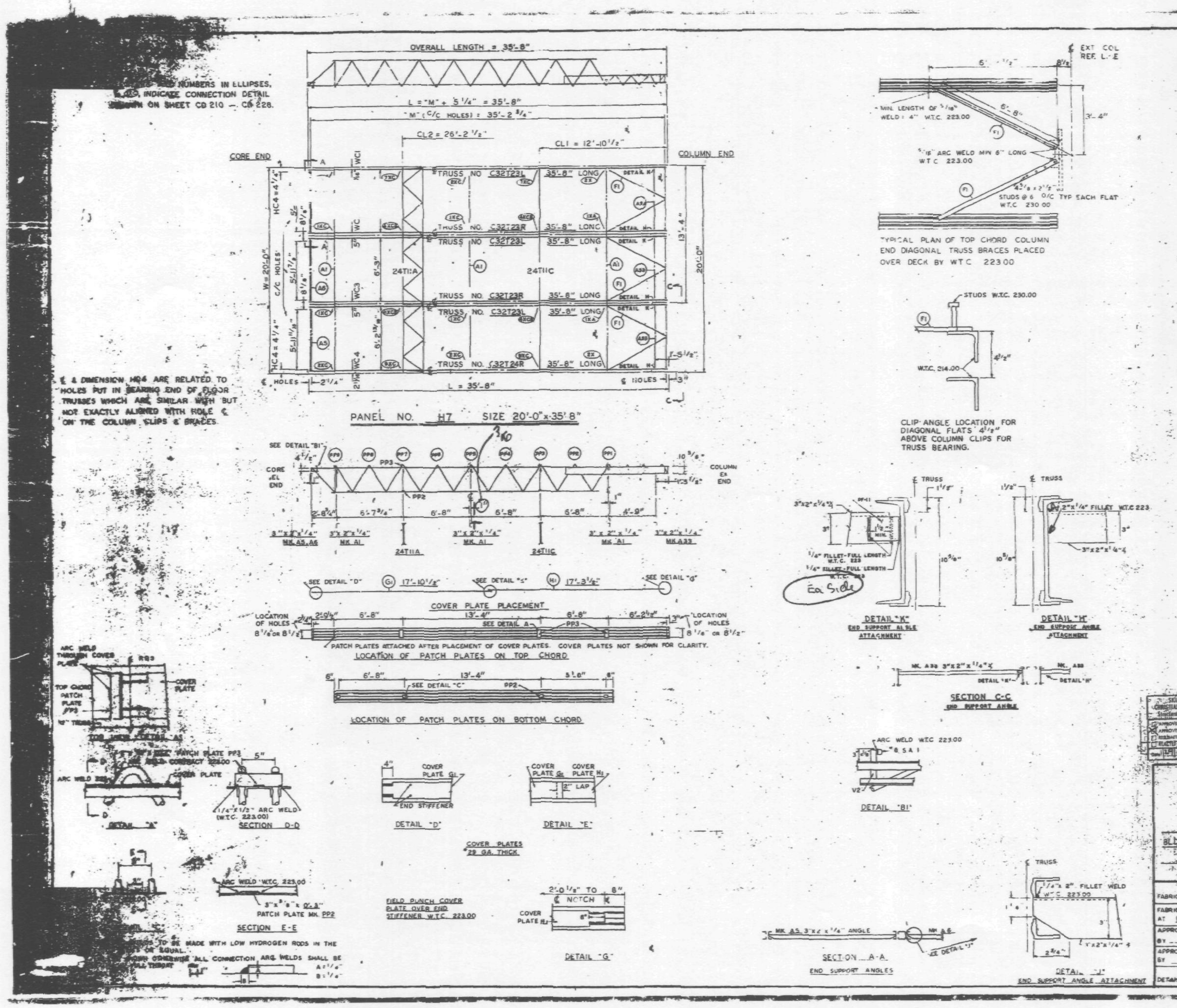
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92, (EAST & WEST)

PANEL H7 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-38 PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 3/24/69
DRAWN BY ... DATE JAN 2, 1969
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE ___
CHECKED BY T.M. CHURA DATE JAN 3, 1969
LACLEDE STEEL CO. DETAILED BY S.G. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-H7


OVERALL LENGTH = 35'-8"
L = "M" + 5 1/4" = 35'-8"
"M" (C/C HOLES) = 35'-2 3/4"
CORE END
COLUMN END
TRUSS NO. C32T24L
TRUSS NO. C32T23R
TRUSS NO. C32T23L
TRUSS NO. C32T23R
TRUSS NO. C32T23R
35'-8" LONG
24T11A
L = 35'-8"
PANEL NO. HR2 SIZE 20'-0" x 35'-8"
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DETAIL "K" END SUPPORT ANGLE ATTACHMENT
DETAIL "H" END SUPPORT ANGLE ATTACHMENT
Ea Side
SECTION C-C END SUPPORT ANGLE
DETAIL "B1"
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
COVER PLATES 20 GA. THICK
SECTION E-E
PATCH PLATE MK. PP2
FIELD PUNCH COVER PLATE OVER END STIFFENER W.T.C. 223.00
DETAIL "G"
SECTION A-A END SUPPORT ANGLES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
FLOOR TRUSSES
BRIDGING TRUSSES
3"x2"x1/4" ANGLE
PATCH PLATES
COVER PLATES
ANGLE CLIPS
#8 SHEAR ANCHOR
DIAGONAL FLATS
CONNECTION BAR
CONNECTION PLATES
CLOSURE PLATE
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25, 59, 92, (EAST & WEST)
PANEL HR2 - 20'-0" x 35'-8"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-ABS-39
PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
DATE JAN 2, 1969
CHECKED BY T.M. OHASA
DATE JAN 3, 1969
DETAILED BY A C WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-HR2



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	ST 223L
	T23R	2	C32T23R - 35'-8"	ST 223R
	T24R	1	C32T24R - 35'-8"	ST 224R
BRIDGING TRUSSES	T11C	1	24 T11C - 19'-11"	BT211C
	T11A	1	24T11A - 19'-11"	BT211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	2	3"x2"x1/4"x 6'-1 15/16"	ST403
	A6	1	3"x2"x1/4"x 6'-2 1/2"	ST 403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST 410
PATCH PLATES	PP3	12	2"x 1/4"x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x 17'-10 1/2"	ST303
	H1	3	7"x.0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	400
# 8 SHEAR ANCHOR	SA1	3	# 8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
	CB	1	1" ⌀ x 1'-5	
CONNECTION PLATES	P1	2	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x .39"x 0'-9"	ST 400
	P7	2	4 1/2"x .30"x 1'-0"	ST 401
CLOSURE PLATE	PF11	3	3"x 1/4"x 0'-2 3/8"	ST412

REF. DRWG.

7-AB4-3	10-8-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-68
7-AB3-38	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

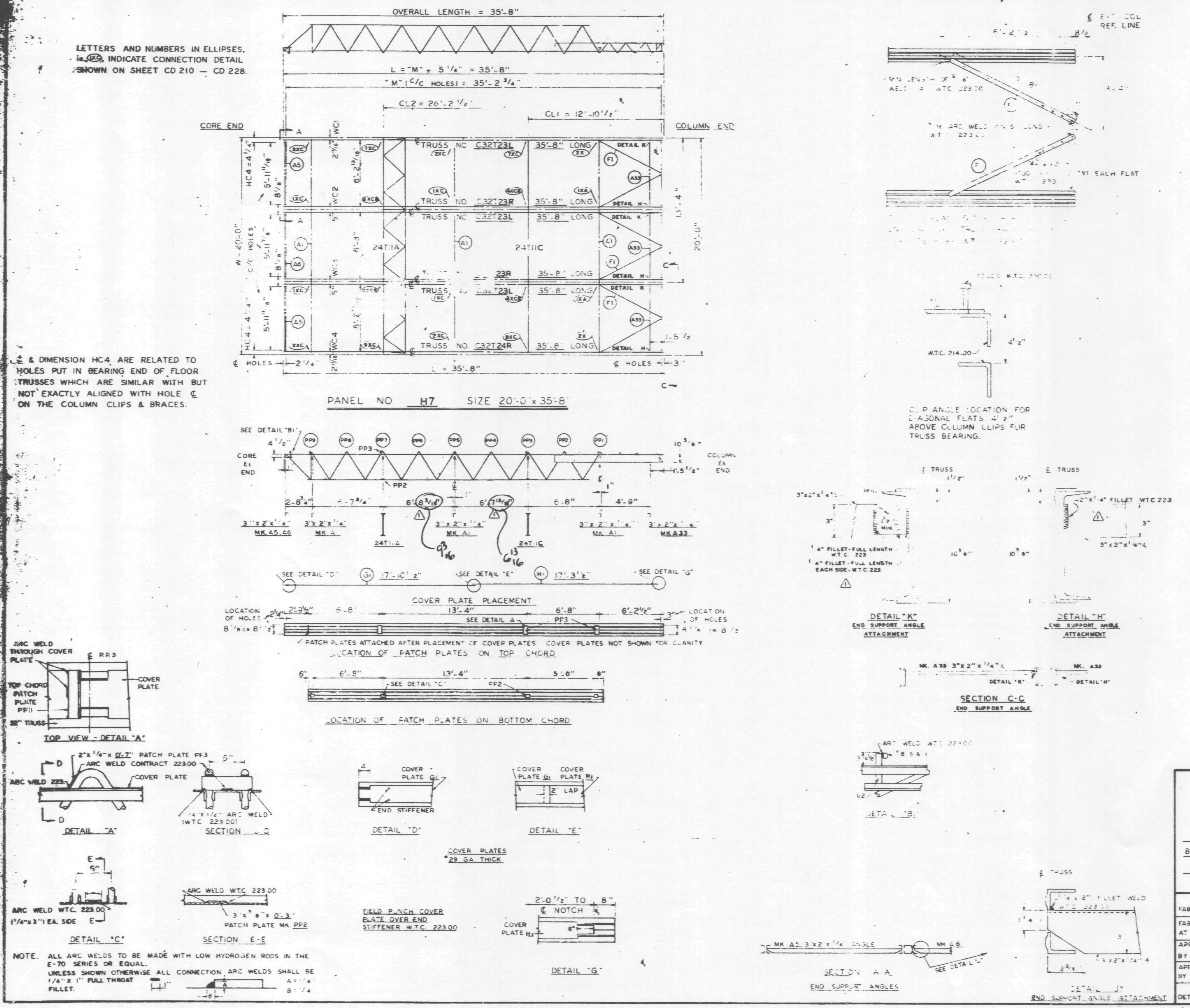
SKILLING-HELLE-CHRISTIANSEN-ROBERTSON Structural & Civil Engineers
APPROVED / APPROVED AS NOTED / RESUBMIT / REJECTED

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92, (EAST & WEST)
PANEL H7 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-38	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY	DATE JAN 2, 1969
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA	DATE JAN 3, 1969
DETAILED BY A C WEBER		FABRICATION CONT NO. W.T.C. 221	SHEET NO. FP-H7



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L- 35'-8"	ST223L
	T23R	2	C32T23R- 35'-8"	ST 223L
	T24R	1	C32T24R - 35'-8"	ST 224R
BRIDGING TRUSSES	T11C	1	24 T11C - 19'-11"	ST211C
	T11A	1	24T11A - 19'-11"	ST211A
3"x 2"x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST403
	A5	2	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	1	3"x2"x1/4"x 6'-2"	ST403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST410
PATCH PLATES	PP3	12	2"x 1/4" x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x 0135"x 17'-10 1/2"	ST303
	H1	3	7"x 0135"x 17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
CONNECTION BAR	CB1	3	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	2	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P7	2	6 1/2" x .50" x 1'-0"	ST 401
CLOSURE PLATE	PF11	3	3"x 1/4" x 0'-2 3/8"	ST412

NO.	DATE	REVISION
1	2-4-69	AS NOTED

SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
APPROVED AS NOTED
Date 2/28/69 By SK

REF DRWG	
7-AB4-3	10-11-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-68
7-AB3-38	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

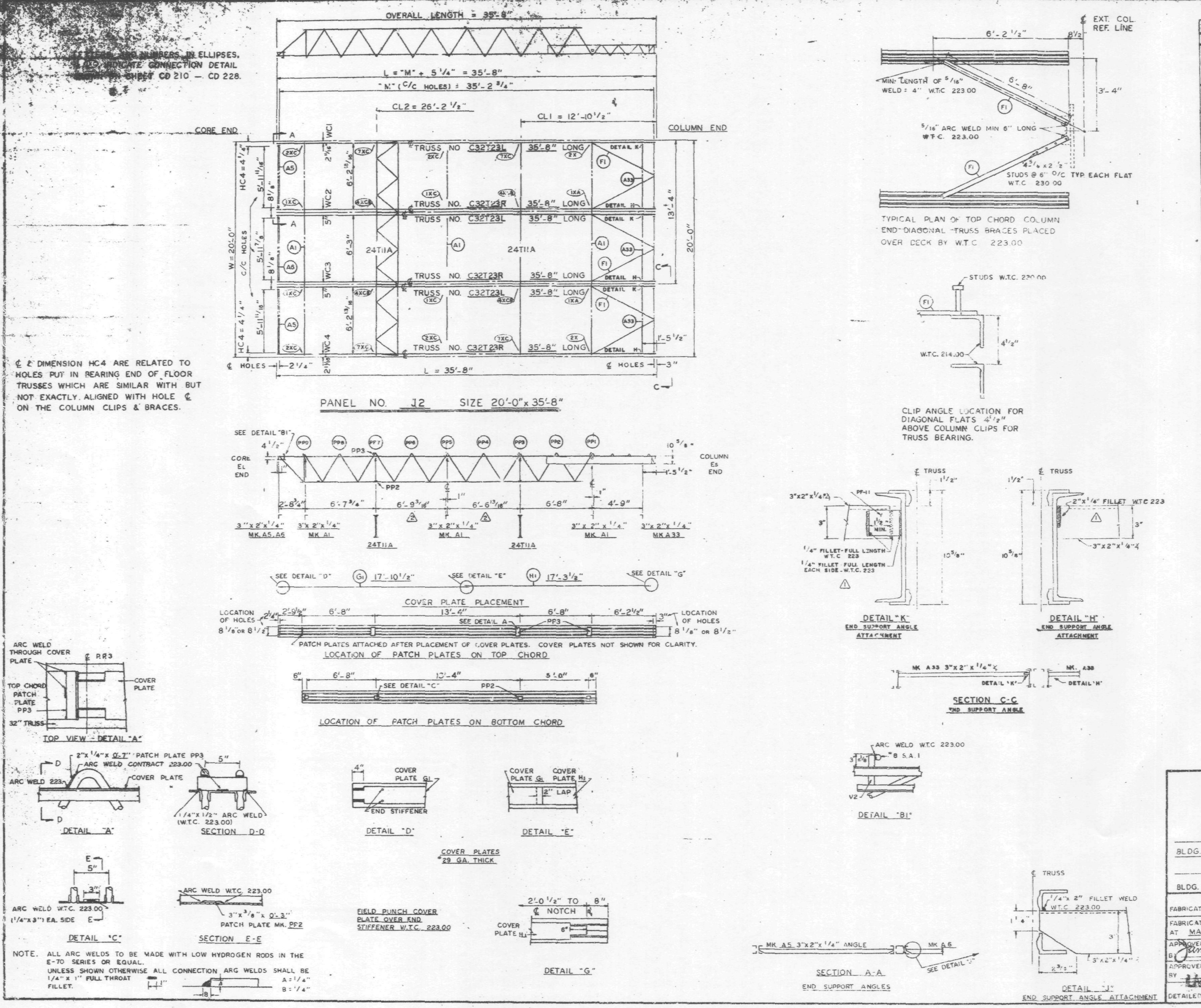
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92, (EAST & WEST)

PANEL H7 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO. 7-AB3-38	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE JAN 3, 1969	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY J. M CHURA DATE JAN 3, 1969	
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT NO. W.T.C. 221	SHEET NO. FP-H7



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	ST223L
	T23R	3	C32T23R - 35'-8"	ST 223L
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	2	3"x2"x1/4"x 6'-1 13/16"	ST 403
	A6	1	3"x2"x1/4"x 6'-2"	ST 403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST 410
PATCH PLATES	PP3	16	2"x1/4"x 0'-7"	ST 400
	PP2	16	3"x3/8"x 0'-3"	ST 400
COVER PLATES	G1	4	7"x.0135"x 17'-10 1/2"	ST 303
	H1	4	7"x.0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x1 1/2"x1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	4	#8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x 6'-8"	ST 402
CONNECTION BAR	CB1	6	1" φ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x.39"x 0'-9"	ST 400
	P3	4	4 1/2"x.39"x 1'-0"	ST 400
CLOSURE PLATE	PF11	3	3"x1/4"x 0'-2 3/8"	ST412

NO.	DATE	REVISION	BY
3	7-7-69	AS NOTED	G.D.C.
2	3-11-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

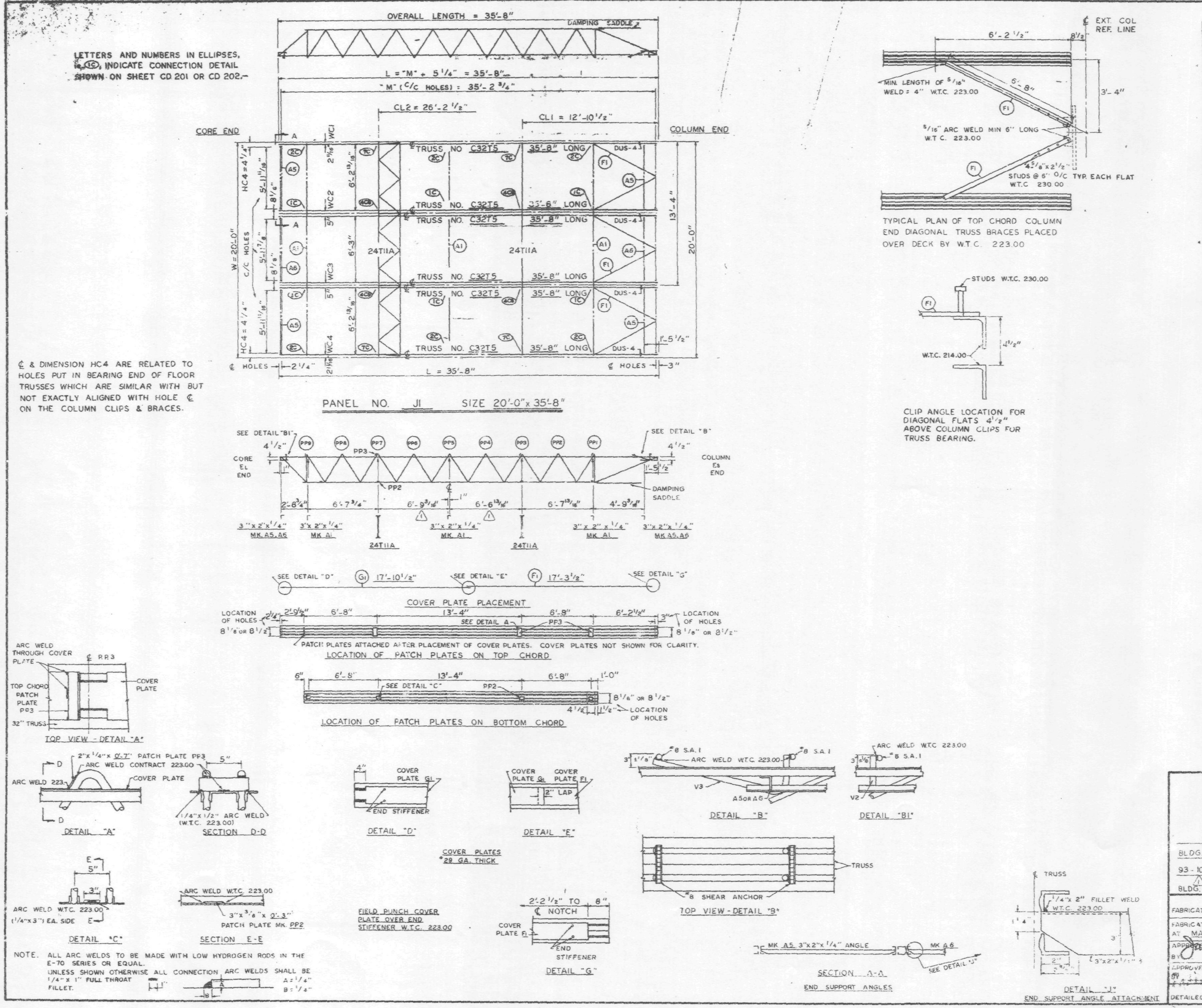
REF. DRWG

7-AB4-3	10-18-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
(3) SA-124	10-6-69
7-AB3-40	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 59, 92, (EAST & WEST)
PANEL J2 20'-0" x 35'-8"
BLDG. B FLOORS 25, 59 & 92 (NORTH & SOUTH) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO. 7-AB3-40 PLATE
APPROVED FOR FABRICATION BY James White FOR P.N.Y.A. DATE 1/2/70
DRAWN BY L.B. DATE JAN 2, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR LACLEDE STEEL CO. DATE
CHECKED BY T.M. CHURA DATE JAN 2, 1969
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-J2



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x 6'-2"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x 6'-8"	ST402
PATCH PLATES	PP3	16	2"x1/4"x 0'-7"	ST 400
	PP2	16	3"x3/8"x 0'-3"	ST 400
COVER PLATES	G1	4	7"x.0135"x 17'-10 1/2"	ST303
	F1	4	7"x.0135"x 17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2 x 1 1/2 x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	12	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	4	3 1/2"x 3 1/2"x 5/8"x 3-6 7/8	ST298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	F1	6	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-23-69	AS NOTED	G.B.C.
1	2-21-69	AS NOTED	G.D.C.

(2) REF. DRWG

7-AB4-3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-3-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-6	7-22-68
7-AB4-42 & 3	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-7[illegible], 84-91 & 93-106 (EAST & WEST) PANEL J1 - 2[illegible] 35'-8"

(1) BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-106 (NORTH & SOUTH)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 1/2/70

APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE ____

DESIGN DRAWING NO. 7-AB3-19 PLATE ____

DRAWN BY [illegible] DATE APRIL 10, 1968

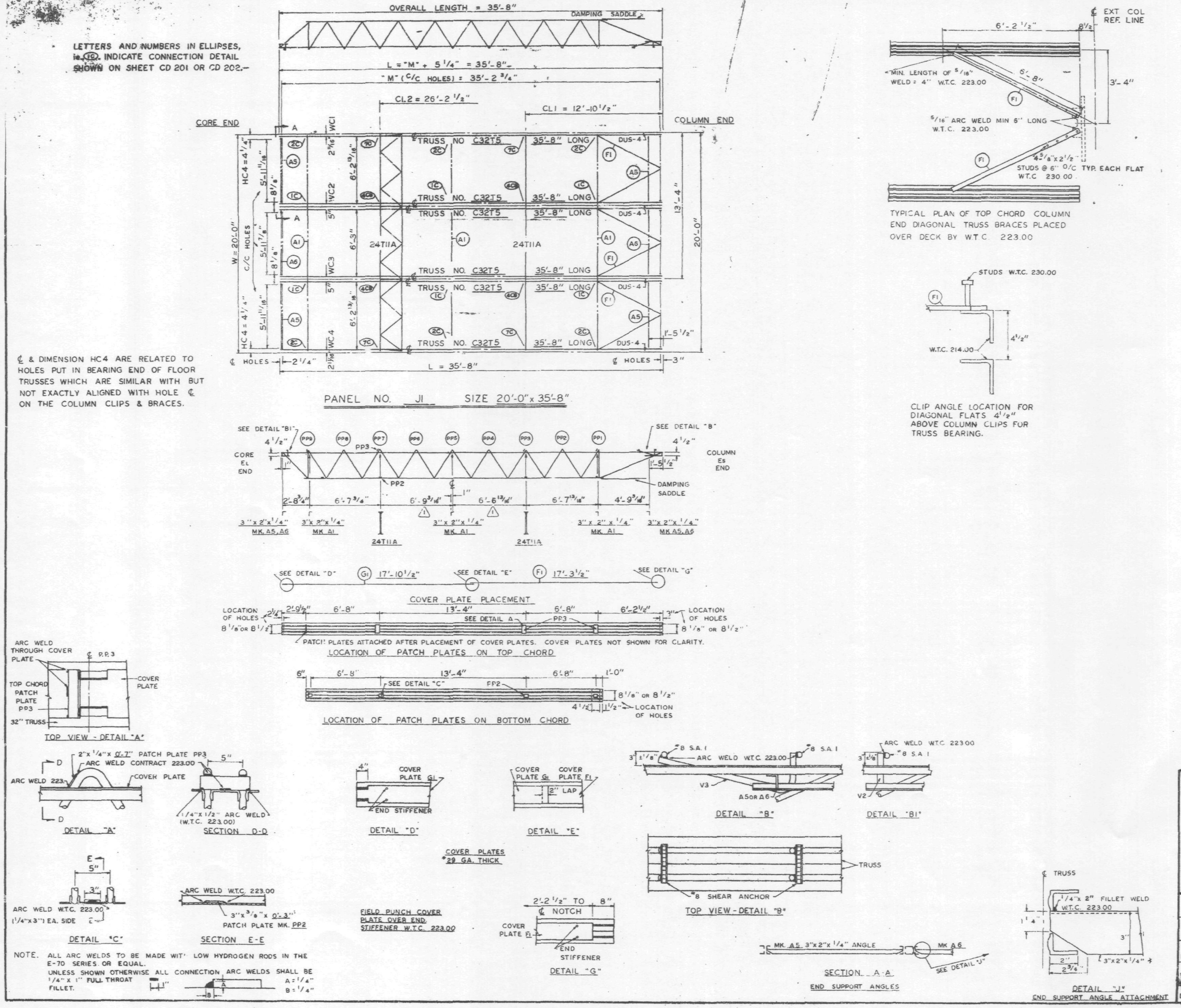
CHECKED BY T.M. CHURA DATE APRIL 10, 1966

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-J1

LETTERS AND NUMBERS IN ELLIPSES, ie.(1C) INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202.



NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4" B = 1/4"

REQUIRED MATERIAL PER PANEL

MATERIAL	MK	PCS	SIZE	REF. DRWG
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST298
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x 6'-2"	ST403
DIAGONAL FLATS	F1	6	4 1/2"x5/8"x 6'-8"	ST402
PATCH PLATES	PP3	16	2"x1/4"x 0'-7"	ST 400
	PP2	16	3"x3/8"x 0'-3"	ST 400
COVER PLATES	G1	4	7"x.0135"x17'-10 1/2"	ST303
	F1	4	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2 x1 1/2 x1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	12	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	4	2 1/2"x3 1/2"x3/8"x3' 6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	6	3 1/2"x3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x.39"x 0'-9"	ST 400
	P3	4	4 1/2"x.39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-23-69	AS NOTED	G.B.C.
1	2-21-69	AS NOTED	G.D.C.

(2) REF. DRWG.

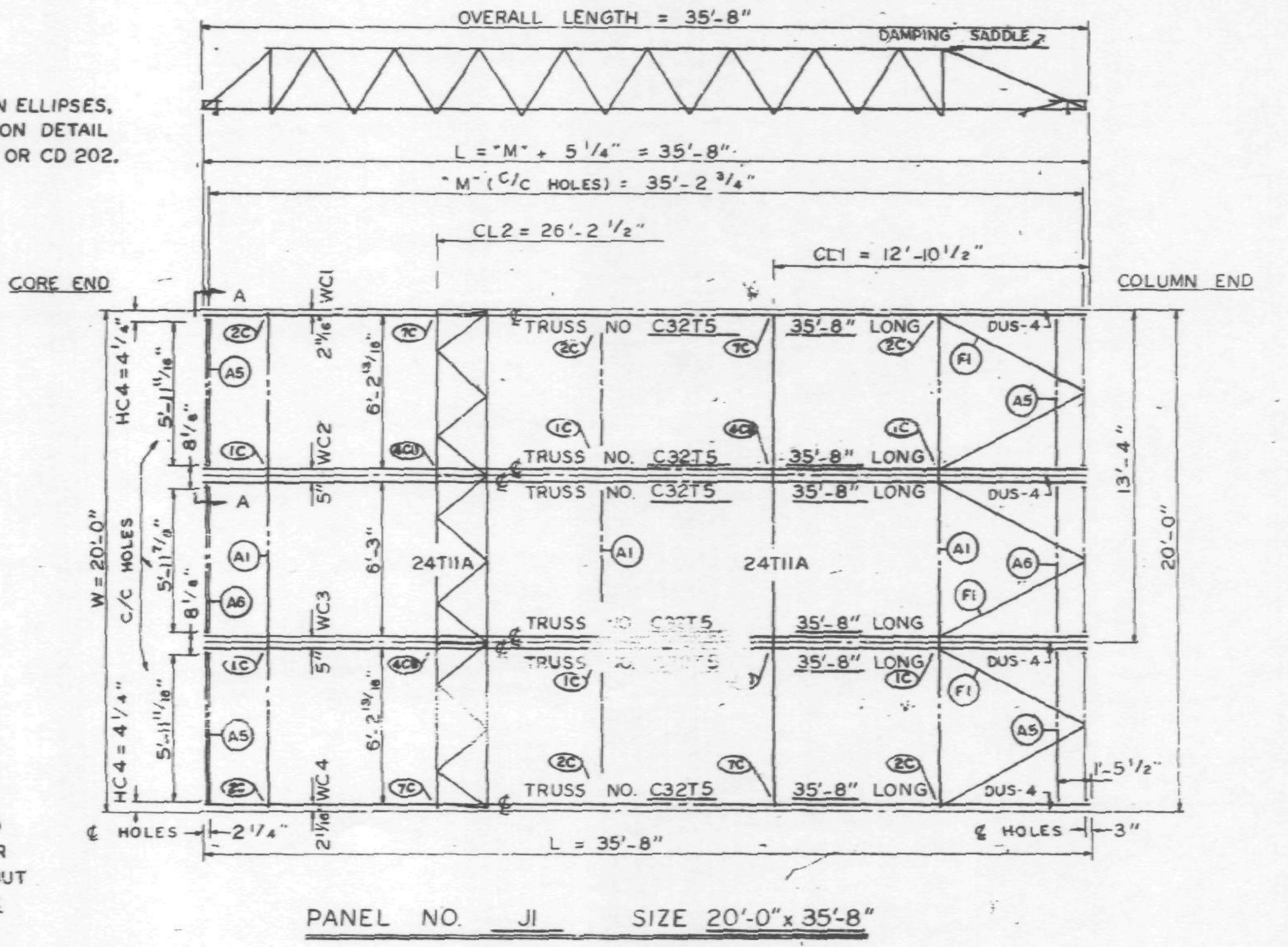
7-AB4-3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-6	7-22-68
7-AB4-42 & 3	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N. Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

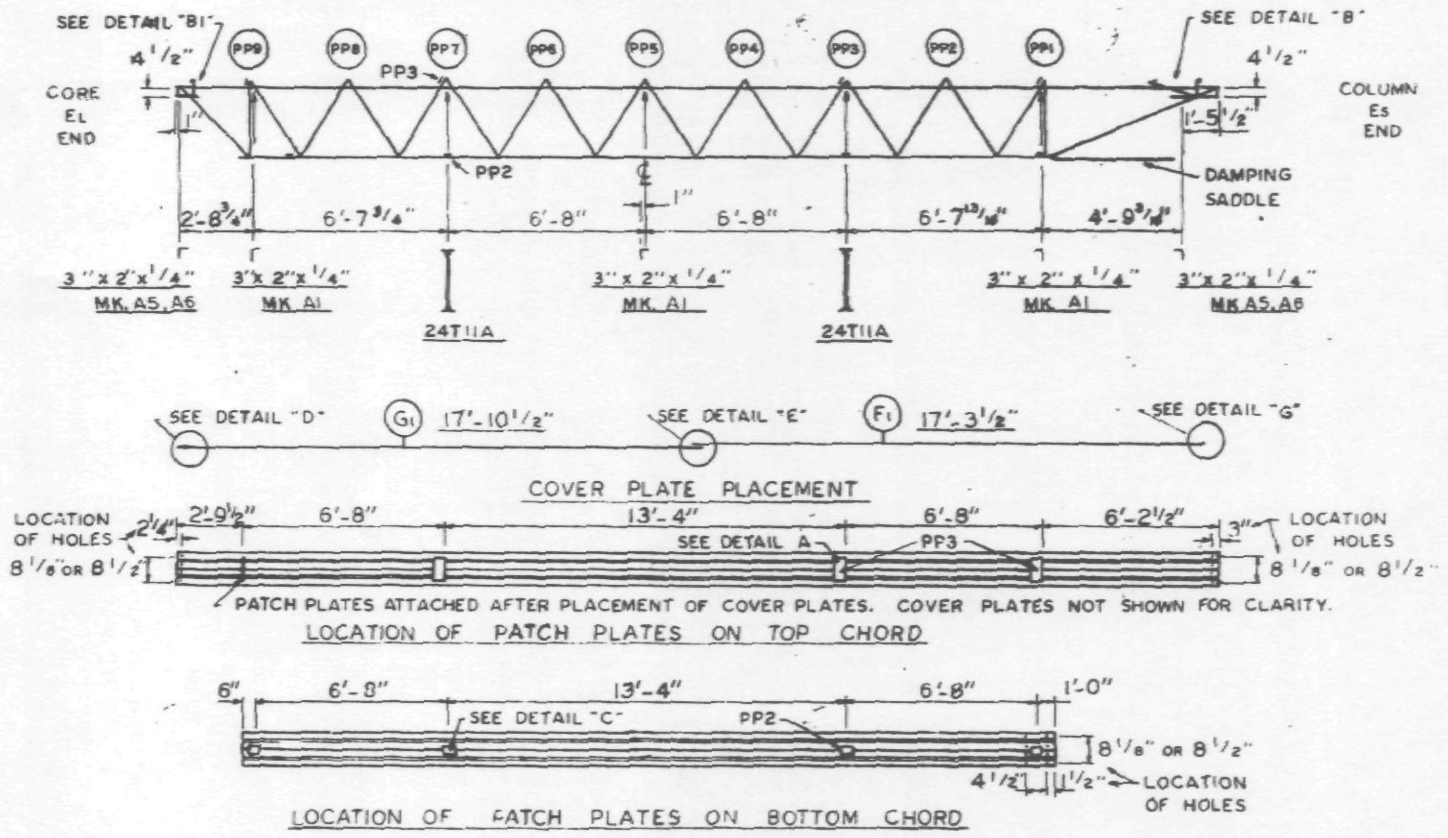
BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 &
93-106 (EAST & WEST) PANEL J1 - 20'-0" x 35'-8"
(1) BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-106 (NORTH & SOUTH)

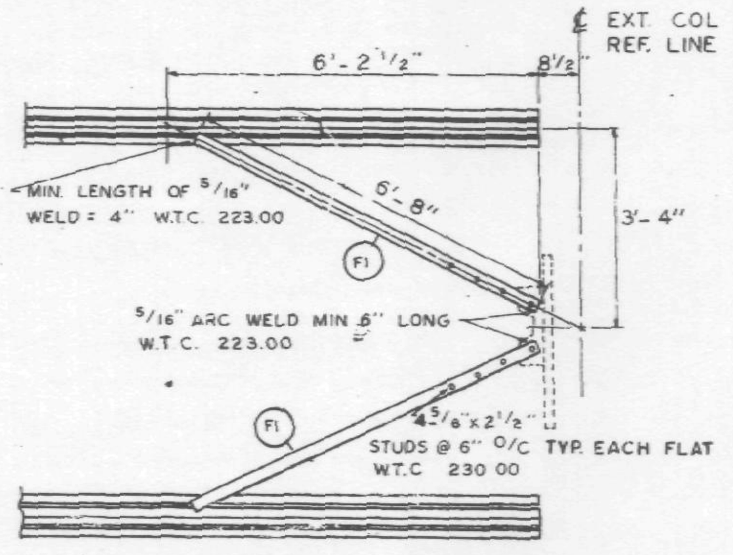
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO. 7-AB3-19
PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY G.B.
DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FABRICATOR DATE
CHECKED BY T.M.CHURA
DATE APRIL 10, 1968
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202.

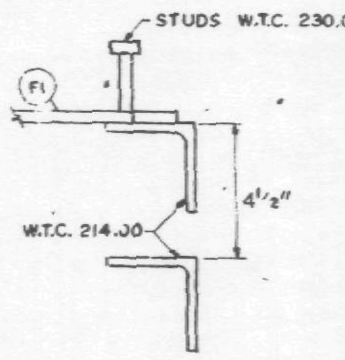


℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.



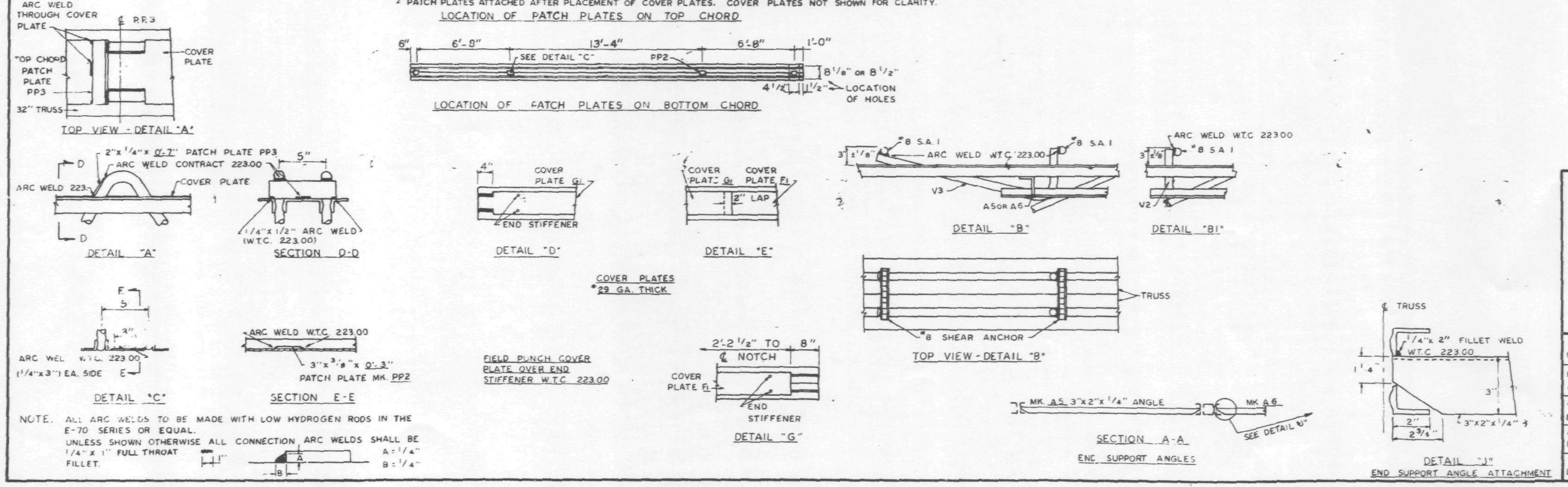


TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	BT211A
3" x 2" x 1/4" ANGLE	A1	3	3" x 2" x 1/4" x 19'-11"	ST 403
	A5	4	3" x 2" x 1/4" x 6'-1 13/16"	ST 403
	A6	2	3" x 2" x 1/4" x 6'-[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP3	16	2" x 1/4" x 0'-7"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	G1	4	7" x 0135" x 17'-10 1/2"	ST 303
	F1	4	7" x 0135" x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	12	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	4	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Φ x 1'-3"	ST 400
CONNECTION PLATES	P1	6	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400



COVER PLATES #29 GA. THICK

FIELD PUNCH COVER PLATE OVER END STIFFENER W.T.C. 223.00

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET. A = 1/4" B = 1/4"

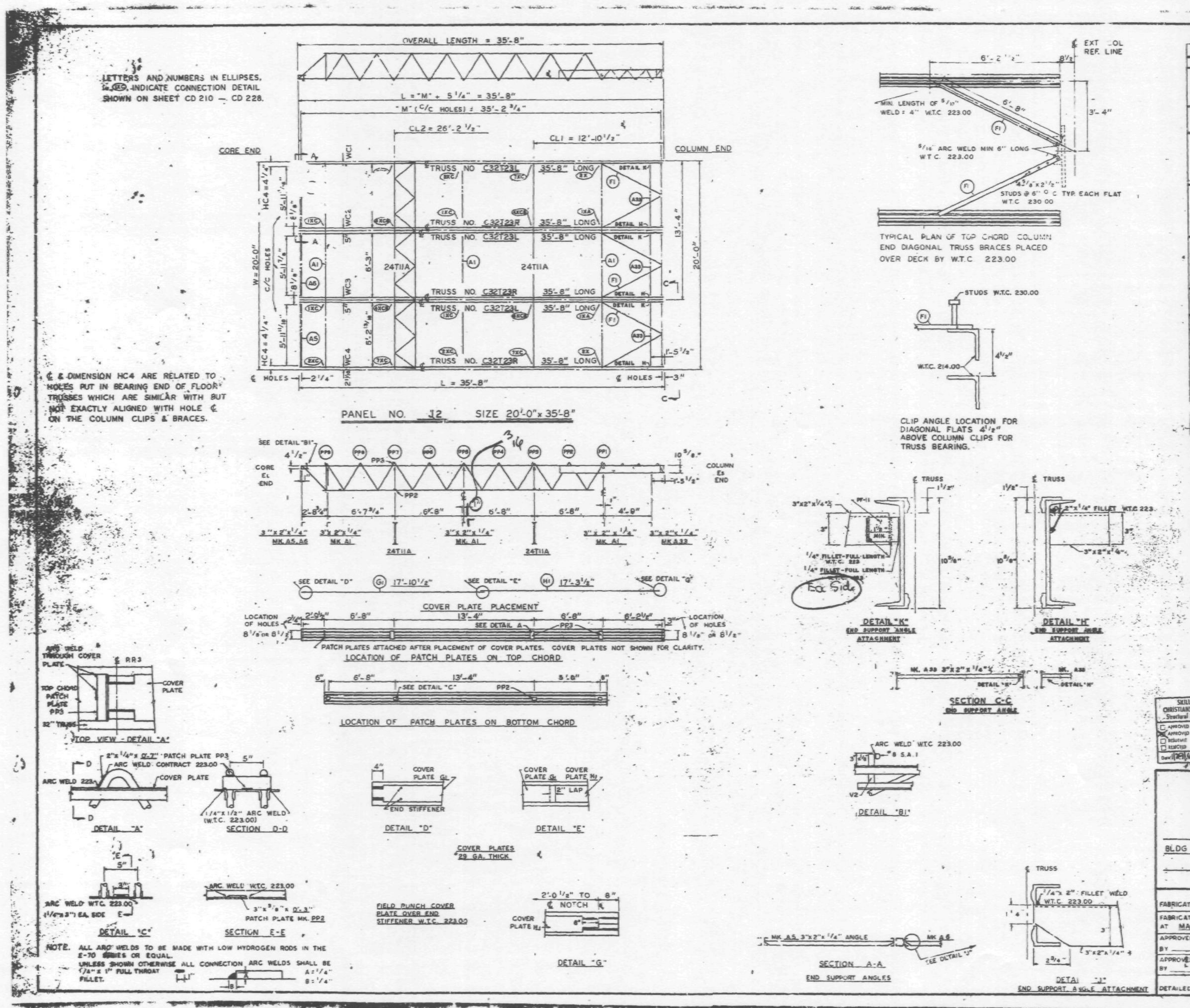
REF DRWG	
AB4-3 & 3	3-68
7-AB4-15 & 16	5-6-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-[illegible]	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-[illegible]-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & 93-106 (EAST & WEST) PANEL J1 · 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO 7-AB3-19 5-10-68 PLATE	
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE 8/16/68	DRAWN BY [signature] DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 10, 1968	
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-J1



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	ST223L
	T23R	3	C32T23R - 35'-8"	ST223L
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	ST211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x19'-11"	ST403
	A5	2	3"x2"x1/4"x6'-1 13/16"	ST403
	A6	1	3"x2"x1/4"x6'-2"	ST403
	A33	3	3"x2"x1/4"x5'-10 1/2"	ST410
PATCH PLATES	PP3	18	2"x1/4"x0'-7"	ST400
	PP2	18	3"x3/8"x0'-3"	ST400
COVER PLATES	G1	4	7"x.0135"x17'-10 1/2"	ST303
	H1	4	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2"x1 1/2"x1/4"x6"	ST400
#8 SHEAR ANCHOR	SA1	4	#8 REBAR x 0'-7"	ST400
DIAGONAL FLATS	F1	6	1 1/2"x3/8"x8'-8"	ST402
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST400
	CB		1" Ø x 1'-5"	
CONNECTION PLATES	P1	4	3 1/2"x3/8"x0'-6 1/2"	ST400
	P2	4	4 1/2"x.39"x0'-9"	ST400
	P3	4	4 1/2"x.39"x1'-0"	ST400
CLOSURE PLATE	PR11	3	3"x1/4"x0'-2 3/8"	ST412

REF. DRWG.

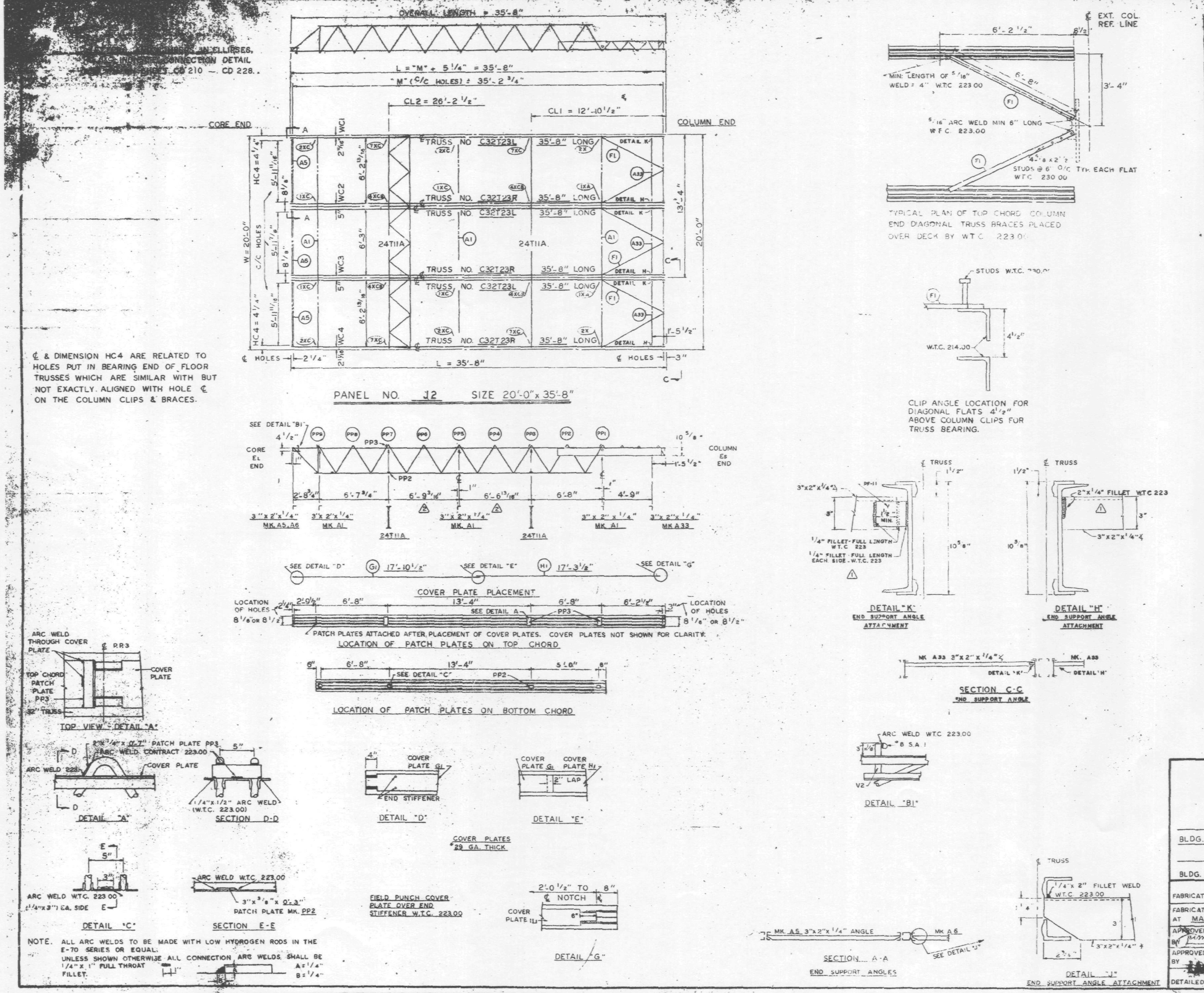
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-13.2	10-4-68
SA-124	10-11-68
7-AB3-40	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 1/28/69 By SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 25, 59, 92, (EAST & WEST)
PANEL J2 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-42 PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE
DRAWN BY R.R. DATE JAN 2, 1969
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE JAN 3, 1969
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-J2



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	[illegible]
	T23R	3	C32T23R - 35'-8"	[illegible]
BRIDGING TRUSSES	T11A	2	2THA - 19'-11"	[illegible]
3"x 2"x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	2	3"x2"x1/4"x 6'-1 13/16"	ST 403
	A6	1	3"x2"x1/4"x 6'-2"	ST 403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST 410
PATCH PLATES	PP3	16	2"x 1/4"x 0'-7"	ST 400
	PP2	16	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	4	7"x .0135"x 17'-10 1/2"	ST 303
	H1	4	7"x .0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	4	#8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
CONNECTION BAR	CB1	6	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
CLOSURE PLATE	PF11	3	3"x 1/4"x 0'-2 3/8"	ST 412

NO.	DATE	REVISION	BY
3	7-7-69	AS NOTED	G.D.C.
2	3-11-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB4-3	10-5-68
7-AB4-15 & 16	7-22-68
7-AB4-13 2	10-4-68
SA-124	10-6-69
7-AB3-4	10-4-68
7-AB1-22	10-4-68
7-A32-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92, (EAST & WEST)

PANEL 12 x 35'-8"

BLDG. B FLOORS 25, 59 & 92 (NORTH & SOUTH)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN, DRAWING NO. 7-AB3-[illegible] PLATE

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 1/2/70

DRAWN BY [illegible] DATE JAN [illegible]

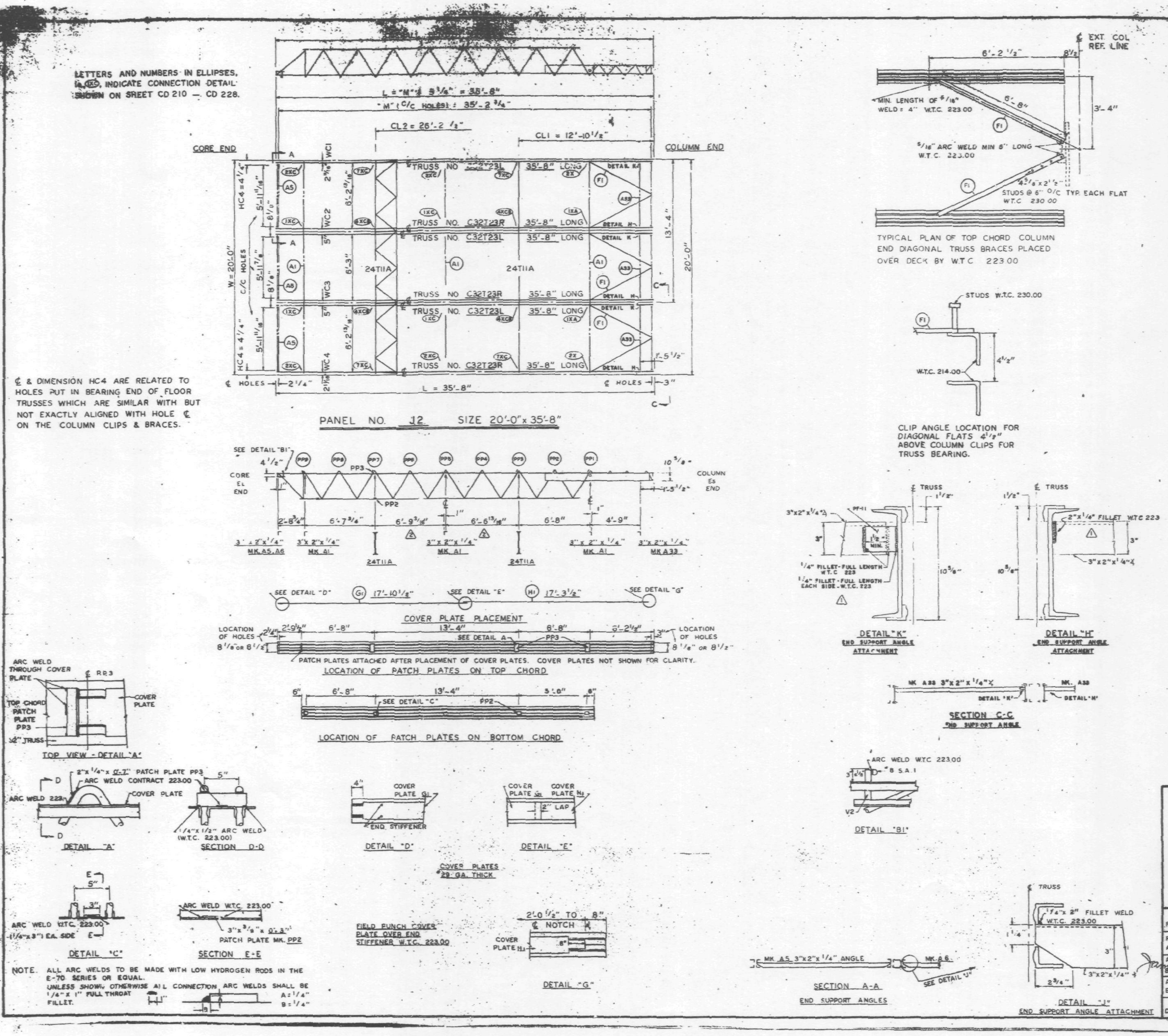
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FOR FABRICATOR DATE

CHECKED BY T.A. CHURA DATE JAN [illegible] 196[illegible]

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-12



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	ST223L
	T23R	3	C32T23R - 35'-8"	ST223L
BRIDGING TRUSSES	T11A	2	2T11A - 19'-11"	ST211A
3"x 2"x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST403
	A5	2	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	1	3"x2"x1/4"x 6'-2"	ST403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST410
PATCH PLATES	PP3	16	2"x 1/4"x 0'-7"	ST 400
	PP2	16	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	4	7"x 0135"x 17'-10 1/2"	ST303
	H1	4	7"x 0135"x 17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x [illegible]	ST 400
#8 SHEAR ANCHOR	SA1	4	#8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	3	1 1/2"x 5/8"x 6'-8"	ST402
CONNECTION BAR	CB1	6	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
CLOSURE PLATE	PF11	3	3"x 1/4"x 0'-2 3/8"	ST412

NO.	DATE	REVISION	BY
2	3-11-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-68
7-AB3-40	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N. Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92, (EAST & WEST)

PANEL J2 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-[illegible] PLATE

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 3/24/69

DRAWN BY [illegible] DATE JAN 2, 1969

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE ______

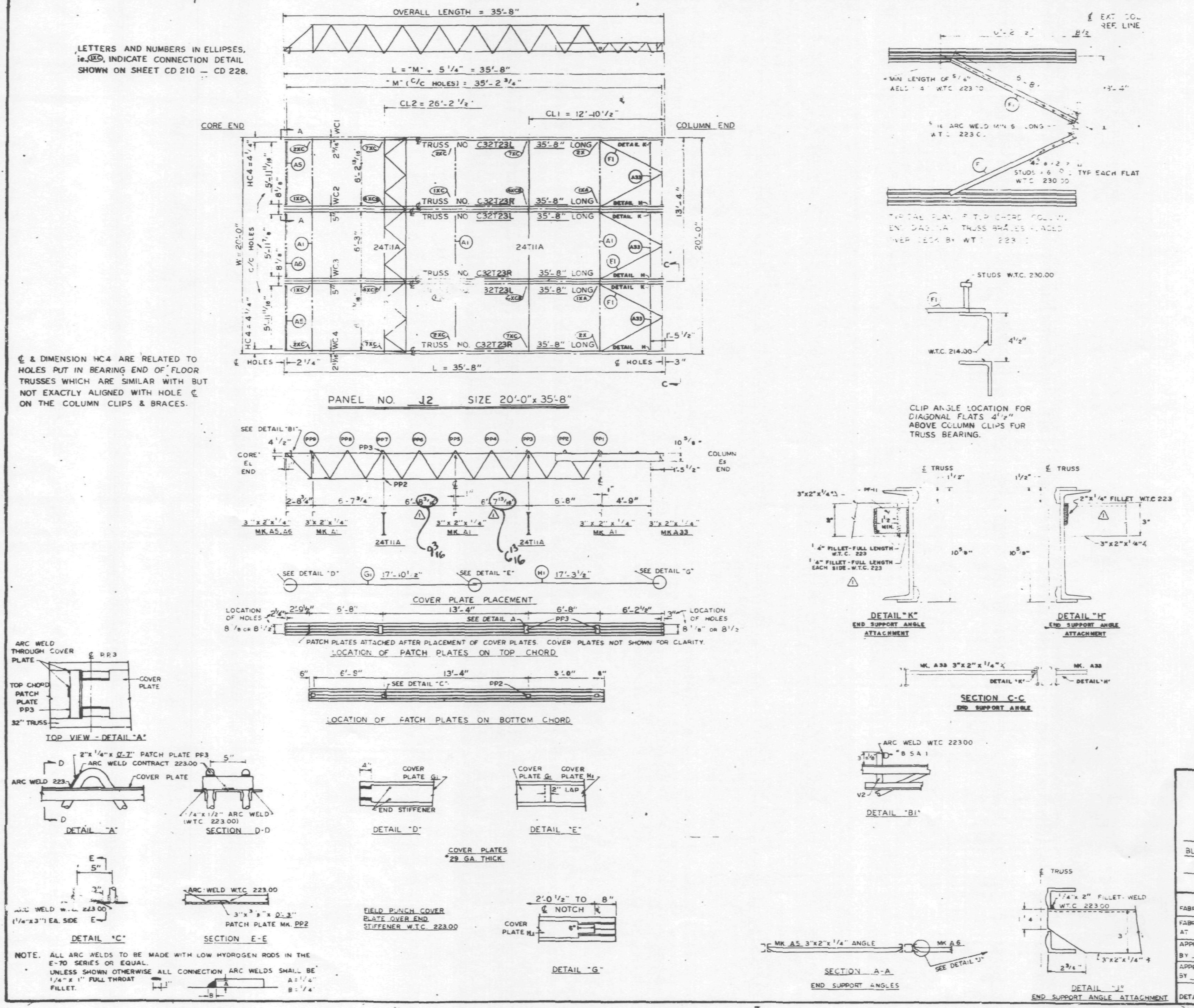
CHECKED BY T.M. CHUBA DATE JAN 3, 1969

LACLEDE STEEL CO.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-J2



REQUIRED MATERIAL PER PANEL.				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	ST223L
	T23R	3	C32T23R - 35'-8"	ST 223L
BRIDGING TRUSSES	T11A	2	2T11A ~ 19'-11"	BT211A
3" x 2" x 1/4" ANGLE	A1	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	2	3"x2"x1/4"x 6'-1 13/16"	ST403
	A6	1	3"x2"x1/4"x 6'-2"	ST403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST410
PATCH PLATES	PP3	16	2"x 1/4"x 0'-7"	ST 400
	PP2	16	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	4	7"x .0135"x 17'-10 1/2"	ST303
	H1	4	7"x .0135"x 17'-3 1/2"	ST303
ANGLE CLIPS	C2	12	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	4	#8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
CONNECTION BAR	CB1	6	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
CLOSURE PLATE	PF11	3	3"x 1/4" x 0'-2 3/8"	ST412

NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	G.D.C.

REF DRWG	
7-AB4-3	10-5-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-11-68
7-AB3-40	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

SKILLING - HELLE CHRISTIANSEN ROBERTSON Structural & Civil Engineers
X
Date 2/28/69 By SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25, 59, 92, (EAST & WEST)

PANEL J2 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS

DESIGN DRAWING NO. 7-AB3-[illegible] PLATE

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE

DRAWN BY [illegible] DATE JAN 2, 1969

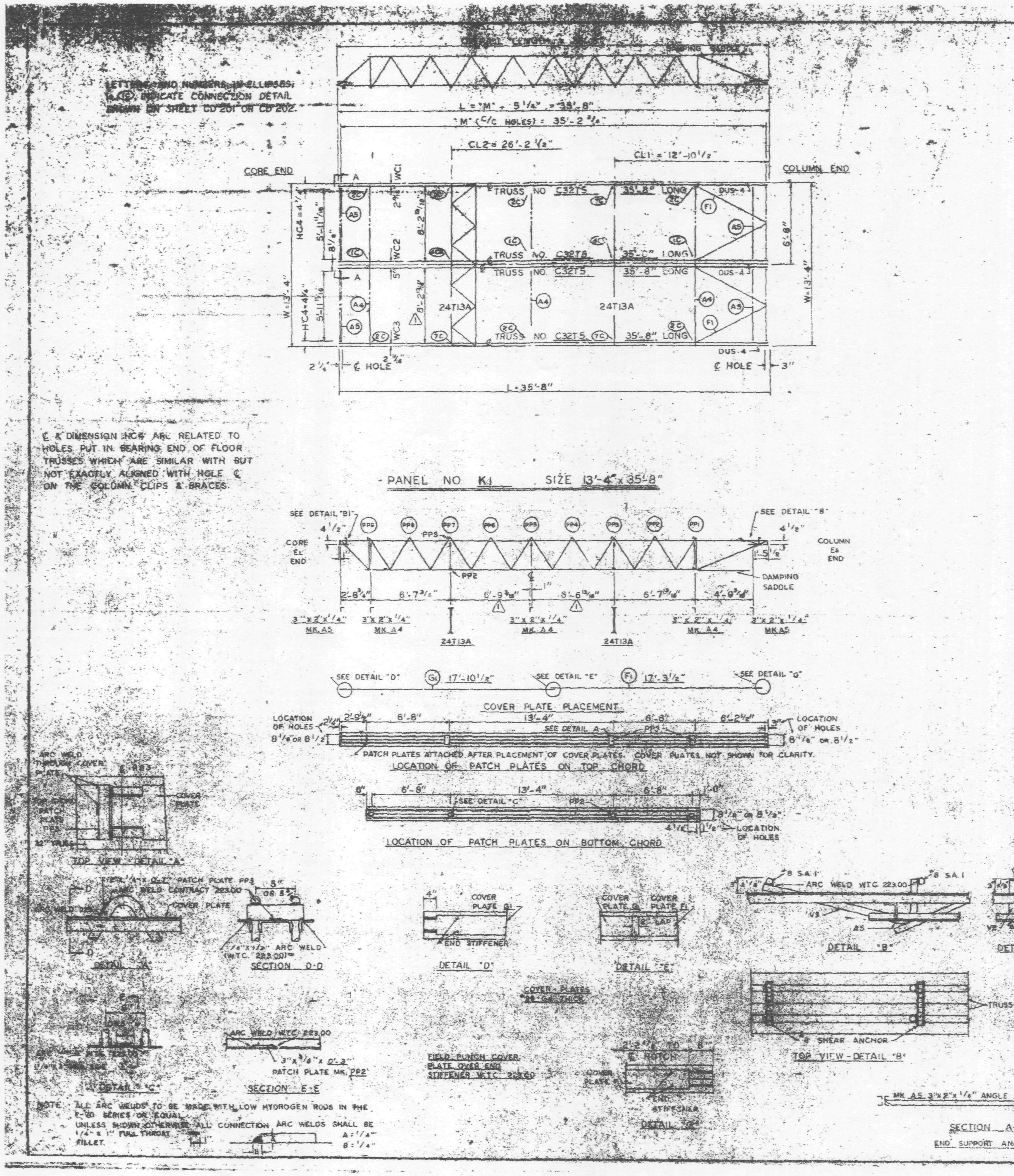
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

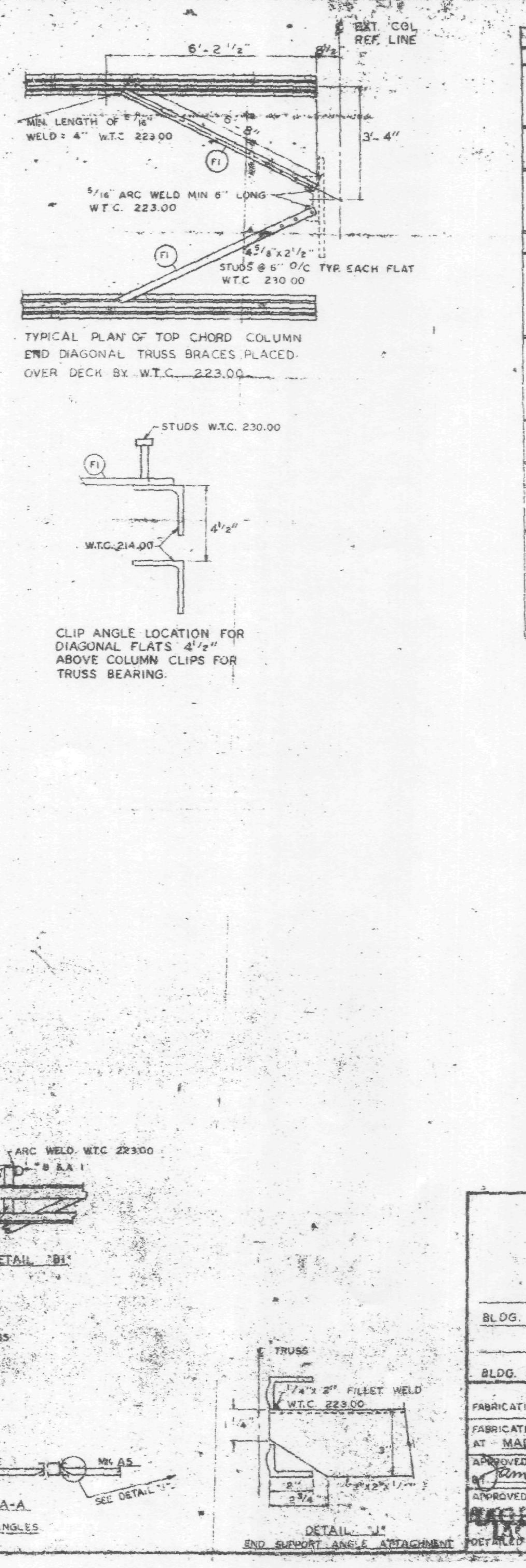
CHECKED BY T.M. CHURA DATE JAN 3, 1969

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-J2





REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	4	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13A	2	2T13A - 13'-3"	BT213A
3" x 2" x 1/4" ANGLE	A4	3	3" x 2" x 1/4" x 13'-3"	ST 403
	A5	4	3" x 2" x 1/4" x 6'-1 13/16"	ST 403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP3	8	2" x 1/4" x 0'-7"	ST 400
	PP2	8	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	G1	2	7" x 0.135" x 17'-10 1/2"	ST 303
	F1	2	7" x 0.135" x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	8	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	6	#8 REBAR x [illegible]	ST 400
DAMPING SADDLE	[illegible]	2	[illegible]	[illegible]
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P3	2	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	
2	6-23-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

REF. DRWG. (2)

7-AB3-20	7-22-68
7-AB4-31	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-5-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-8	7-22-68
7-AB4-42 & 3	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

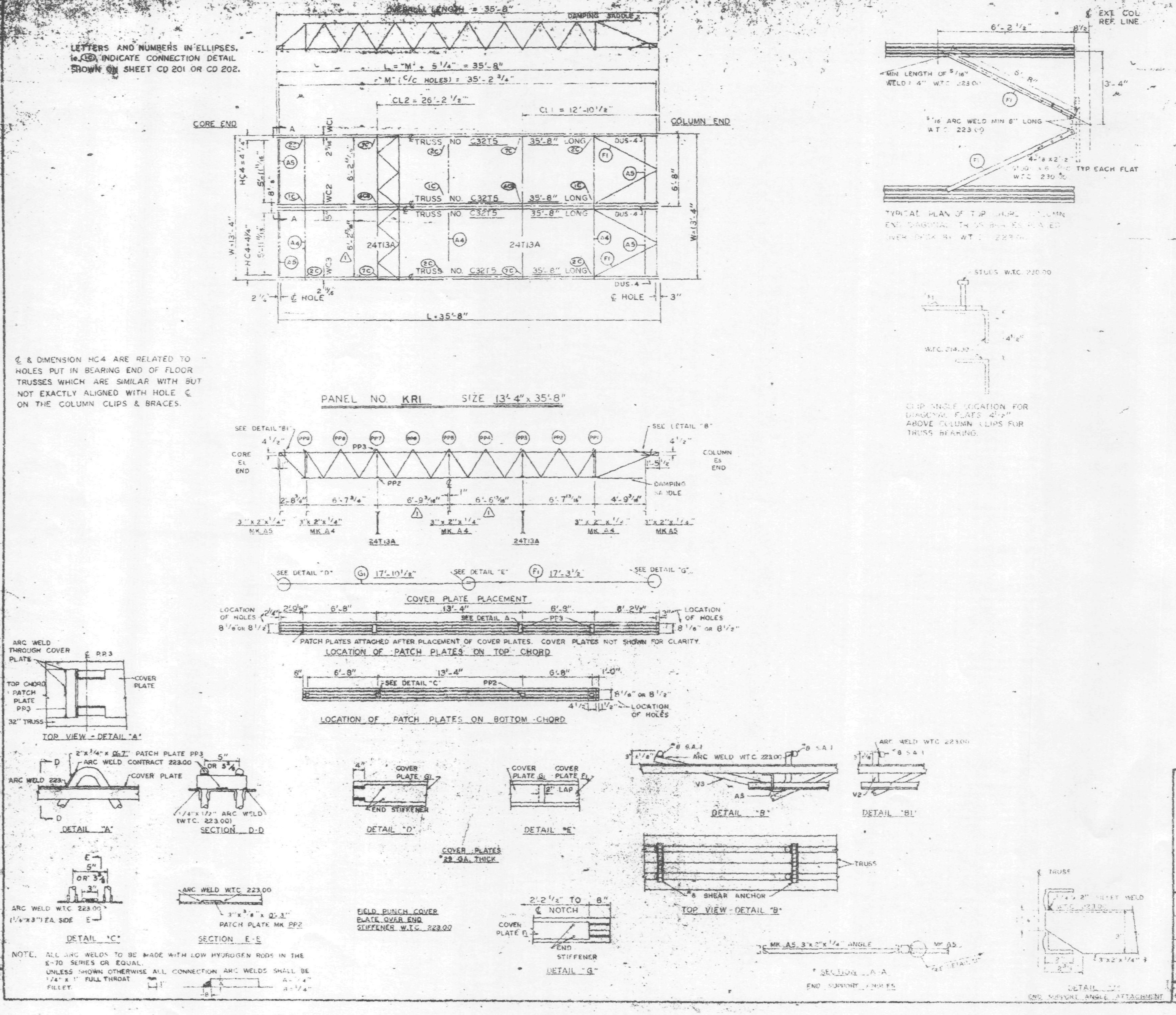
BLDG. A FLOORS 45-49 (WEST), 80-83 (EAST)

PANEL K1 13'-4" x 35'-8"

BLDG. B FLOORS 45-49 (SOUTH) 80-83 (NORTH)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-20	PLATE
APPROVED FOR FABRICATION BY James White FOR P.N.Y.A.	DATE 1/2/70	DRAWN BY [illegible] DATE 1-30-69	
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE 1-30-69	
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-K1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	4	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	13A	2	2T13A - 13'-3"	ST213A
3"x2"x1/4" ANGLE	A4	3	3"x2"x1/4"x13'-3"	ST403
	A5	4	3"x2"x1/4"x6'-1 13/16"	ST403
DIAGONAL FLATS	F1	8	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	8	2"x1/4"x0'-7"	ST400
	PP2	8	3"x5/8"x0'-3"	ST400
COVER PLATES	G1	2	7"x.0135"x17'-10 1/2"	ST303
	F1	2	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	8	2 1/2"x1 1/2"x1/4"x6"	ST400
#8 SHEAR ANCHOR	SA1	6	#8 REBAR x 0'-7"	ST400
DAMPING SADDLE	DUS-4	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST400
CONNECTION PLATES	P1	3	3 1/2"x3/8"x0'-6 1/2"	ST400
	P2	2	4 1/2"x.30"x0'-9"	ST400
	P3	2	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION
2	6-23-69	AS NOTED
1	3-11-69	AS NOTED

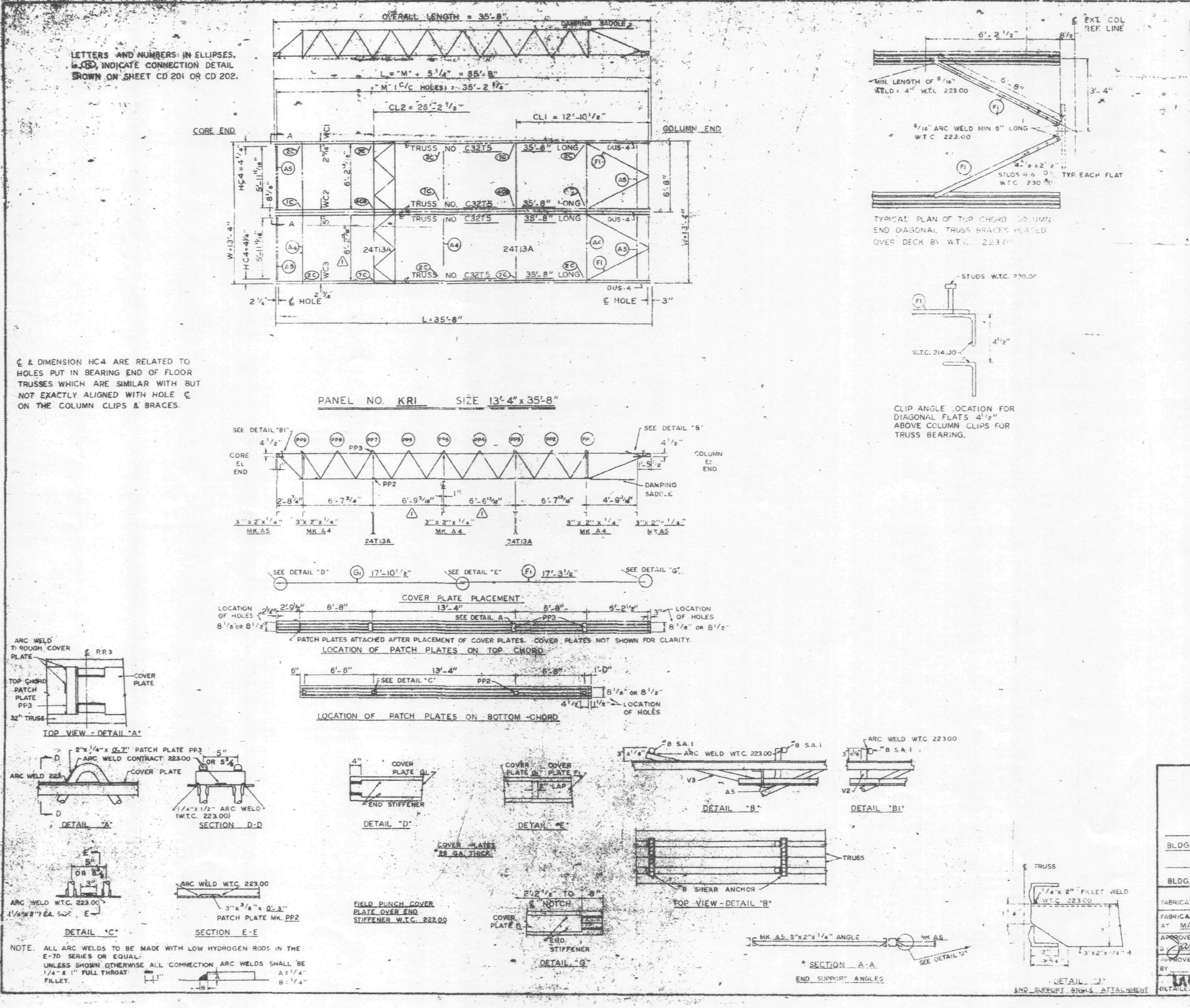
REF. DRWG.

7-AB3-21 — 8-22-68
7-AB4-8 — 7-22-68
7-AB4-18 — 7-22-68
7-AB4-30 — 7-22-68
SA-124 — 1-6-69
7-AB3-2 — 3-68
7-AB1-1 — 7-22-68
7-AB2-8 — 7-22-68
7-AB4- — 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46-49 (EAST), 79-83 (WEST)
PANEL KR1 13'-4" x 35'-8"
BLDG. B FLOORS 46-49 (NORTH) 79-83

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING 7-AB3-21
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE 7/2/70
DRAWN BY — DATE 1-10-69
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. — DATE 1-10-69
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONTRACT W.T.C. 221
SHEET NO. KR1



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	4	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13A	2	2T13A - 13 - 3"	BT213A
3"x 2"x 1/4" ANGLE	A4	3	3"x2"x1/4"x13'-3"	ST 403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST 403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP3	8	2"x 1/4" x 0'-7"	ST 400
	PP2	8	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	G1	2	7"x 0135"x 17'-10 1/2"	ST 303
	F1	2	7"x 0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	8	2 1/2"x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	6	#8 REBAR x 3'-7"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 7/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P3	2	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-23-69	AS NOTED	G.D.
1	3-11-69	AS NOTED	G.D.

2 REF DRWG

7-AB3-21	7-22-68
7-AB4-51	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-65
7-AB2-8	7-22-68
7-A94-42 & 3	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46-49 (EAST), 79-83 (WEST)

PANEL KR1 13'-4" x 35'-8"

BLDG. B FLOORS 46-49 (NORTH) 79-83 (SOUTH) 2

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-21 PLATE

APPROVED FOR FABRICATION BY James White DATE 1/2/70

DRAWN BY [illegible] DATE 1-30-69

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

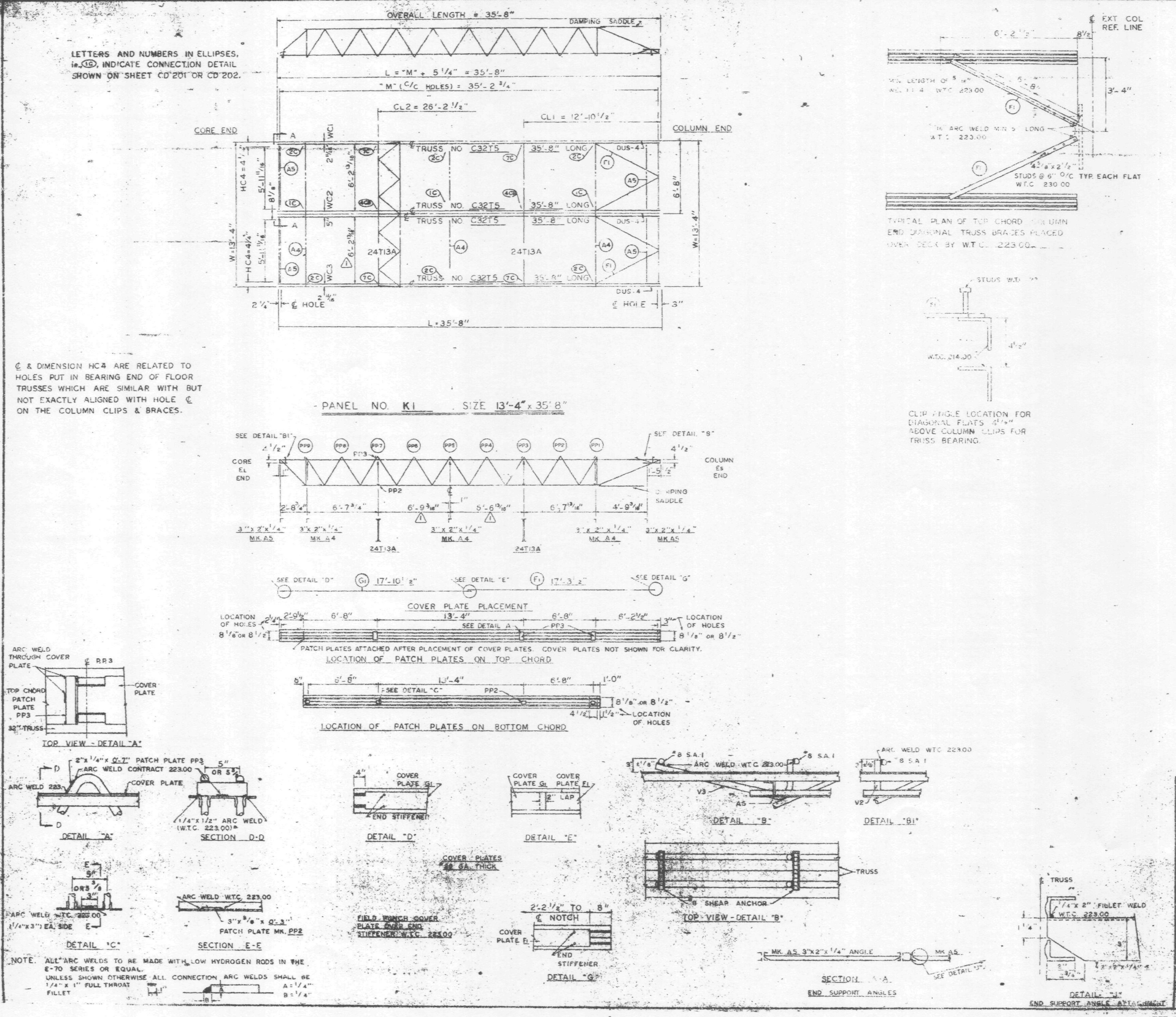
CHECKED BY T.M. CHURA DATE 1-30-69

LACLEDE STEEL CO.

DETAILED BY A.C. WEBER

FABRICATION CONT NO. W.T.C. 221

SHEET NO. FP-KR1



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	REF. DRWG.
FLOOR TRUSSES	T5	4	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13A	2	2T13A - 13'-3"	[illegible]
3"x2"x1/4" ANGLE	A4	3	3"x2"x1/4"x 13'-3"	ST403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP3	8	2"x 1/4"x 0'-7"	ST 400
	PP2	8	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	2	7"x .0135"x 17'-10 1/2"	ST303
	F1	2	7"x .0135"x 17'-3 1/2"	ST303
ANGLE CLIPS	C2	8	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA	6	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" Φ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x .39"x 0'-9"	ST 400
	P3	2	4 1/2"x .39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-23-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

REF. DRWG. (2)

7-AB3-20	7-22-68
7-AB4-3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-5-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2-8	7-22-68
7-AB4-42 &	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-49 (WEST), 80-83 (EAST)

PANEL K1 13'-4" x 35'-8"

BLDG. B FLOORS 45-49 (SOUTH) 80-83 (NORTH) (2)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-20

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 1/2/70

DRAWN BY [illegible] DATE 1-30-69

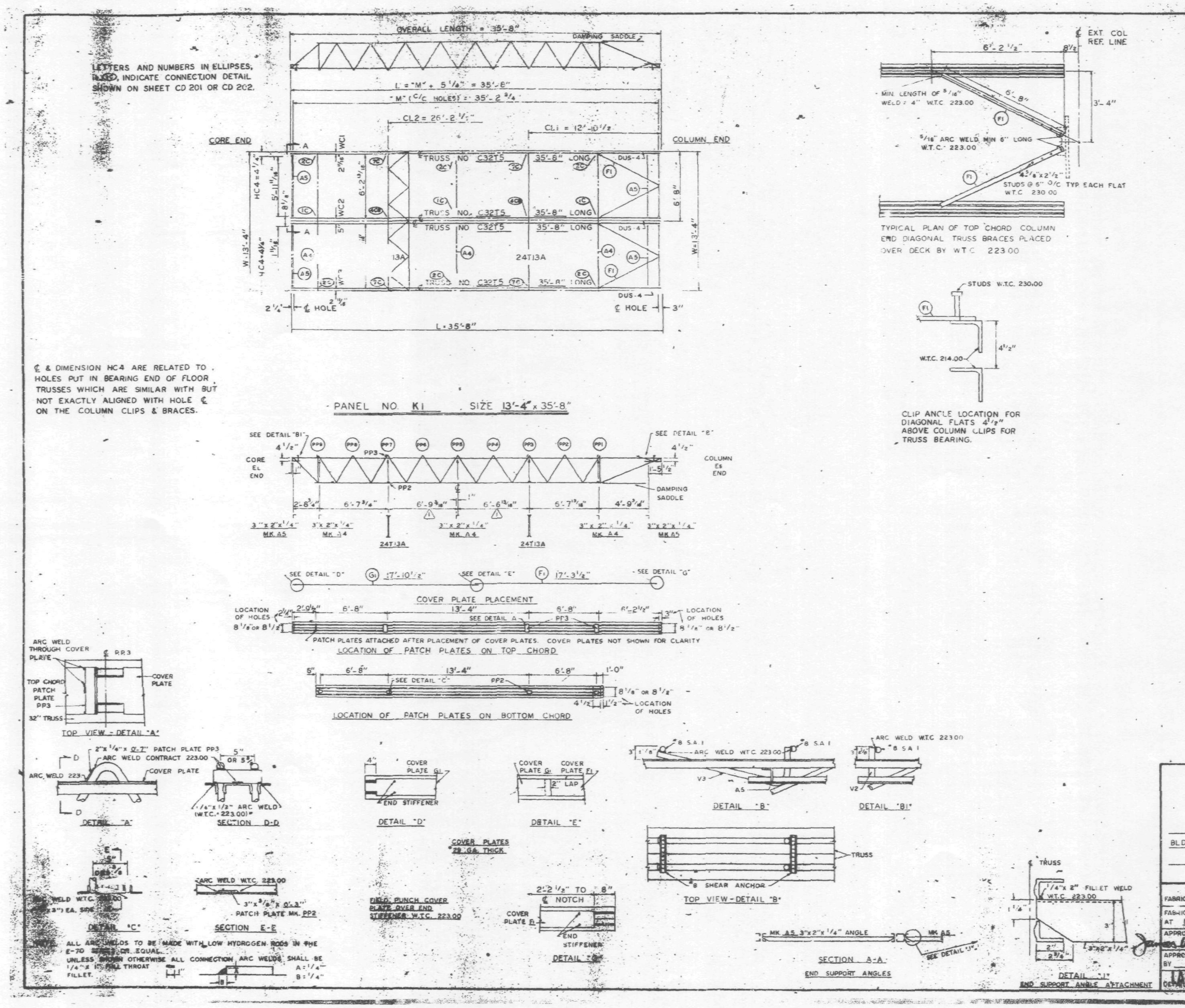
APPROVED FOR FABRICATION DATE

CHECKED BY T.M. CHOW DATE 1-30-69

DETAILED LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. K1



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	4	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13A	2	2T13A - 13'-3"	ST213A
3"x2"x1/4" ANGLE	A4	3	3"x2"x1/4"x13'-3"	ST403
	A5	4	3"x2"x1/4"x6'-[illegible]	[illegible]
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	8	2"x1/4"x0'-7"	ST 400
	PP2	8	3"x3/8"x0'-3"	ST 400
COVER PLATES	G1	2	7"x.0135"x17'-10 1/2"	ST303
	F1	2	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	8	2 1/2 x 1 1/2 x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	6	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	2	4 1/2"x.39"x0'-9"	ST 400
	P3	2	4 1/2"x.39"x1'-0"	ST 400

NO.	DATE	REVISION	BY
1	3-11-69	AS NOTED	G.D.C.

REF DRWG	
7-AB3-20	7-22-68
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2 8	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-49(WEST), 80-83(EAST)

PANEL K1 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-20 PLATE

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 3/24/69

DRAWN BY R.R. DATE 1-30-69

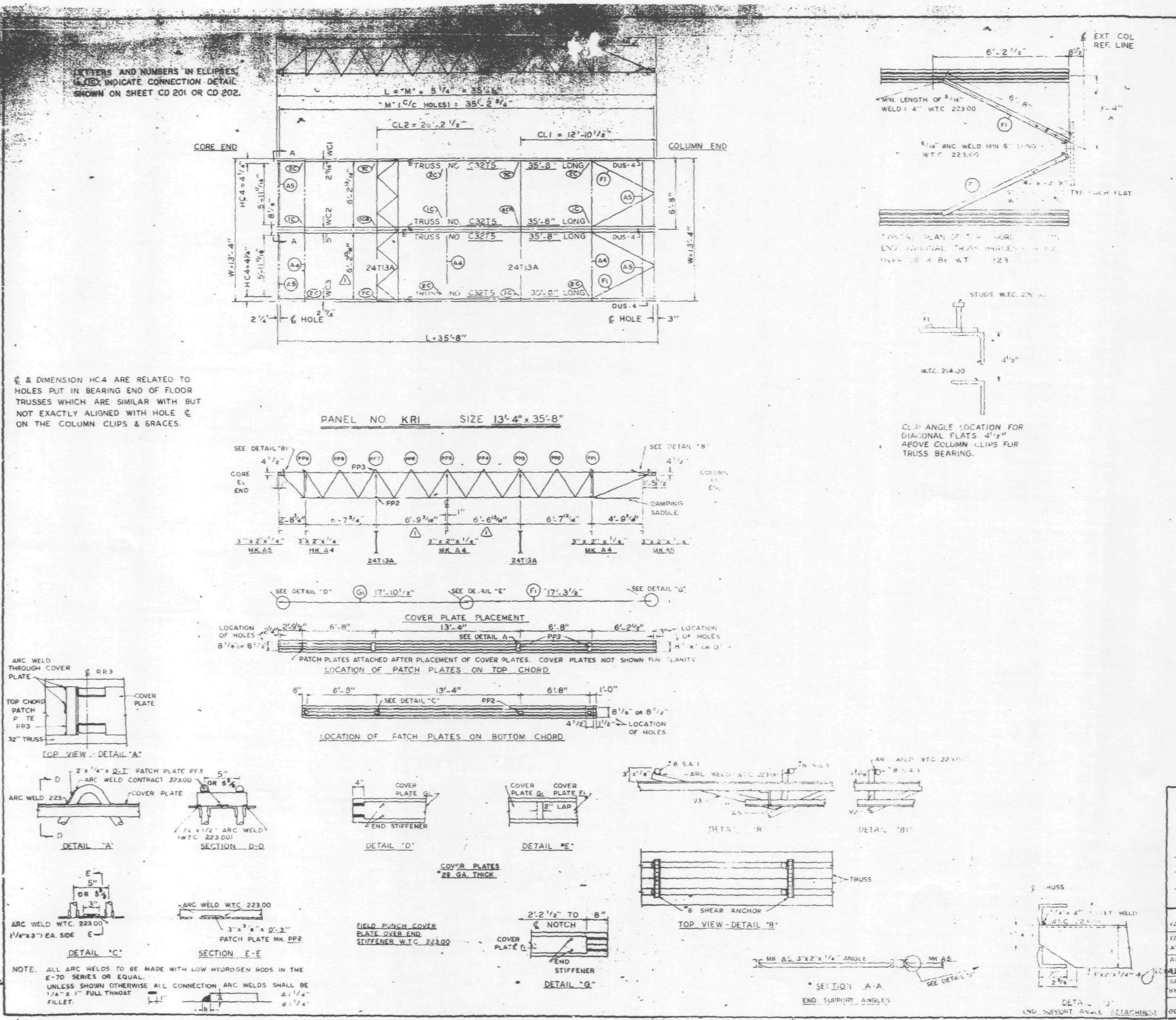
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

CHECKED BY T.M. CHURA DATE 1-30-69

LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-K1



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	4	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13A	2	2T13A -13-3"	BT213A
3"x 2"x 1/4" ANGLE	A4	3	3"x2"x1/4"x13'-3"	ST403
	A5	4	3"x2"x1/4"x 6'-1 13/16"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP3	8	2"x 1/4"x 0'-7"	ST 400
	PP2	8	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	2	7"x 0.135"x 17'-10 1/2"	ST 303
	F1	2	7"x 0.135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	8	2 1/2" x 1 1/2" x 1/4" x [illegible]	ST 400
#8 SHEAR ANCHOR	SA1	6	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P3	2	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	3-11-69	AS NOTED	G.D.C.

REF DRWG.

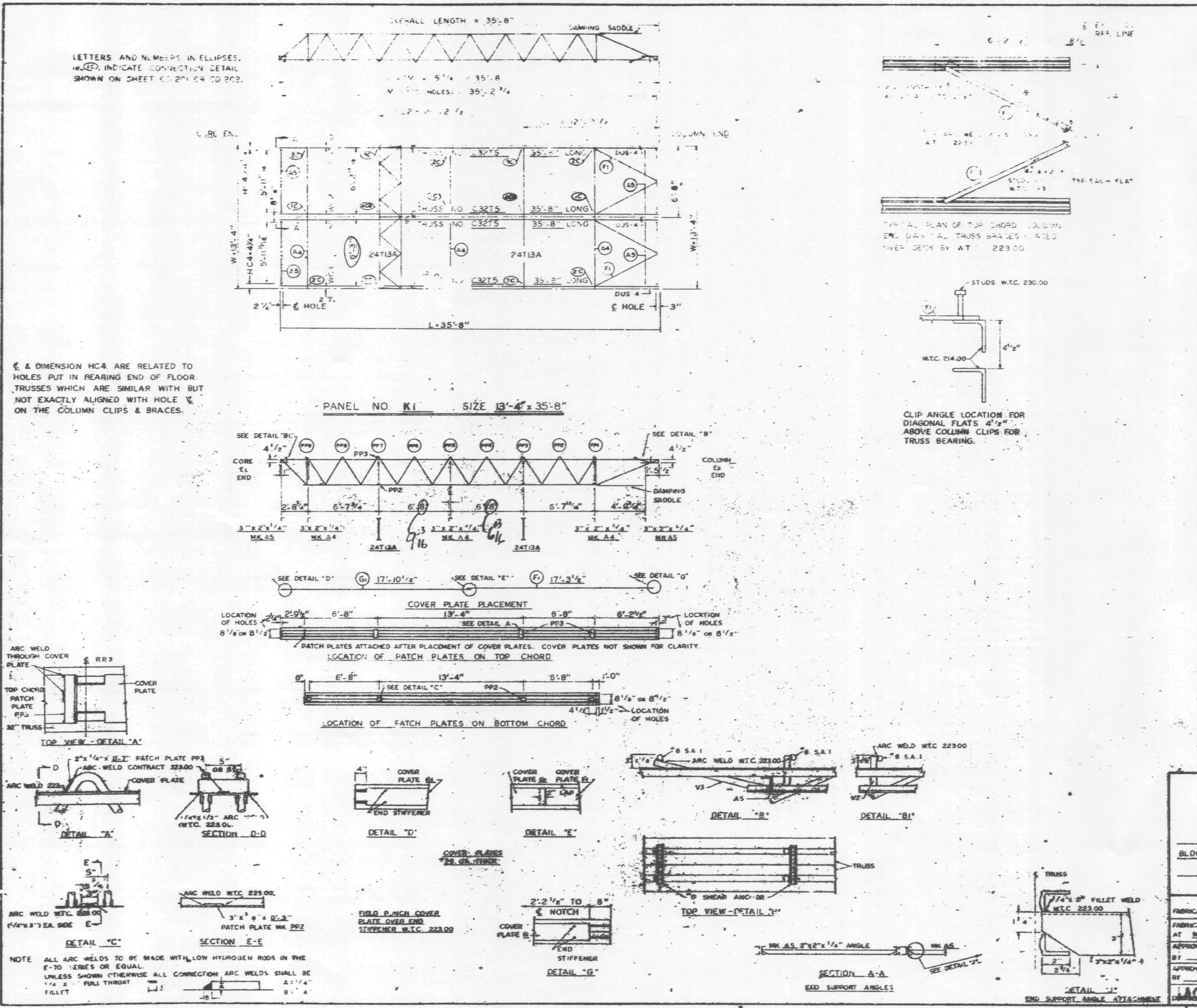
7-AB3-21	7-22-68
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2 8	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46-49 (EAST), 79-83 (WEST)

PANEL KR1 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-21 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 3/24/69
DRAWN BY [signature] DATE 1-30-69
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE 1-30-69
DETAILED BY A.C. WEBER
LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-KR1



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS.	SIZE	
[illegible] TRUSSES	T5	4	[illegible]	ST 295
BRIDGING TRUSSES	T 3A	2	2" 3A-13-3"	BT 2-3A
[illegible]	A4	3	[illegible] x 13'-3"	ST 403
	A5	4	[illegible]	ST 403
DIAGONAL FLAT	F	4	[illegible]	ST 402
PATCH PLATES	PP3	8	[illegible]	ST 400
	PP2	8	[illegible]	ST 400
COVER PLATES	G1	2	7" x 0135" x 17'-10 1/2"	ST 303
	F1	2	7" x 0135" x 7'-3 1/2"	ST 303
ANGLE CLIPS	C2	8	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	6	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS 4	2	[illegible]	ST 298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P3	2	4 1/2" x .39" x 1'-0"	ST 400

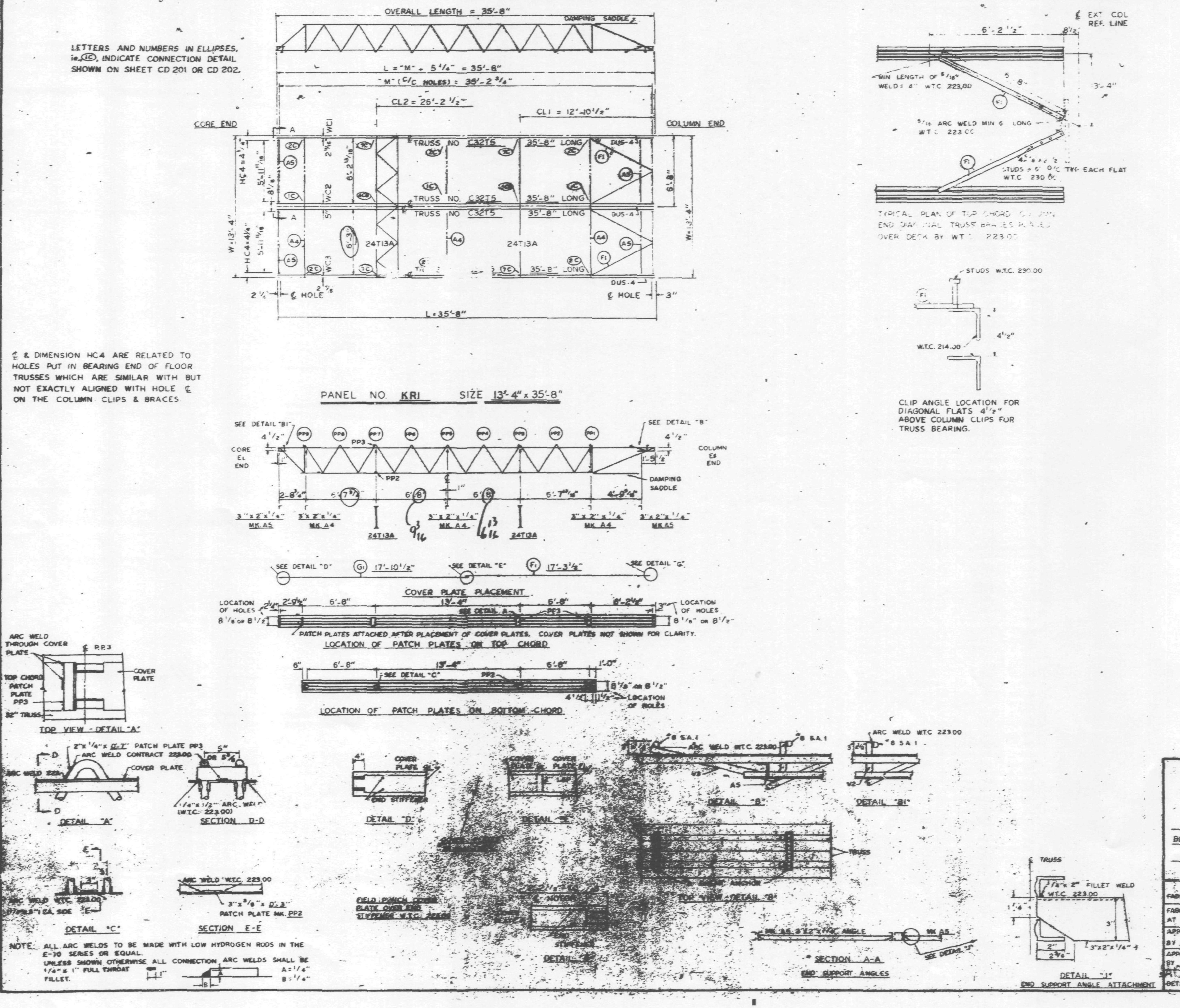
REF DRWG

7-AB3-20	7-22-68
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2 8	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER, N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-49 (WEST), 80-83 (EAST)
PANEL K1 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-20 PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE
DRAWN BY [illegible] DATE 1-30-69
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. CHUBA DATE 1-30-69
LACLEDE STEEL CO.
FABRICATION CONT NO. W.T.C. 221
SHEET NO. FP-K1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	4	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13A	2	2T13A - 13'-3"	ST212A
3"x2"x1/4" ANGLE	A4	3	3"x2"x1/4"x13'-3"	ST403
	A5	4	3"x2"x1/4"x6'-1 13/16"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	8	2"x1/4"x0'-7"	ST 400
	PP2	8	3"x3/8"x0'-3"	ST 400
COVER PLATES	G1	2	7"x0135"x17'-10 1/2"	ST 303
	F1	2	7"x0135"x17'-3 1/2"	ST 303
ANGLE CLIPS	C2	8	2 1/2 x 1 1/2 x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	6	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	2	4 1/2"x.30"x0'-9"	ST 400
	P3	2	4 1/2"x.30"x1'-0"	ST 400

REF. DRWG.

7-A83-21	7-22-68
7-A84-3 & 31	[illegible]
7-A84-15 & 16	7-22-68
7-A84-39-41	7-22-68
SA-124	1-6-69
7-A83-2	1-3-68
7-A81-11 & 12	7-22-6[illegible]
7-A82-8	7-22-[illegible]
7-A84-42	[illegible]

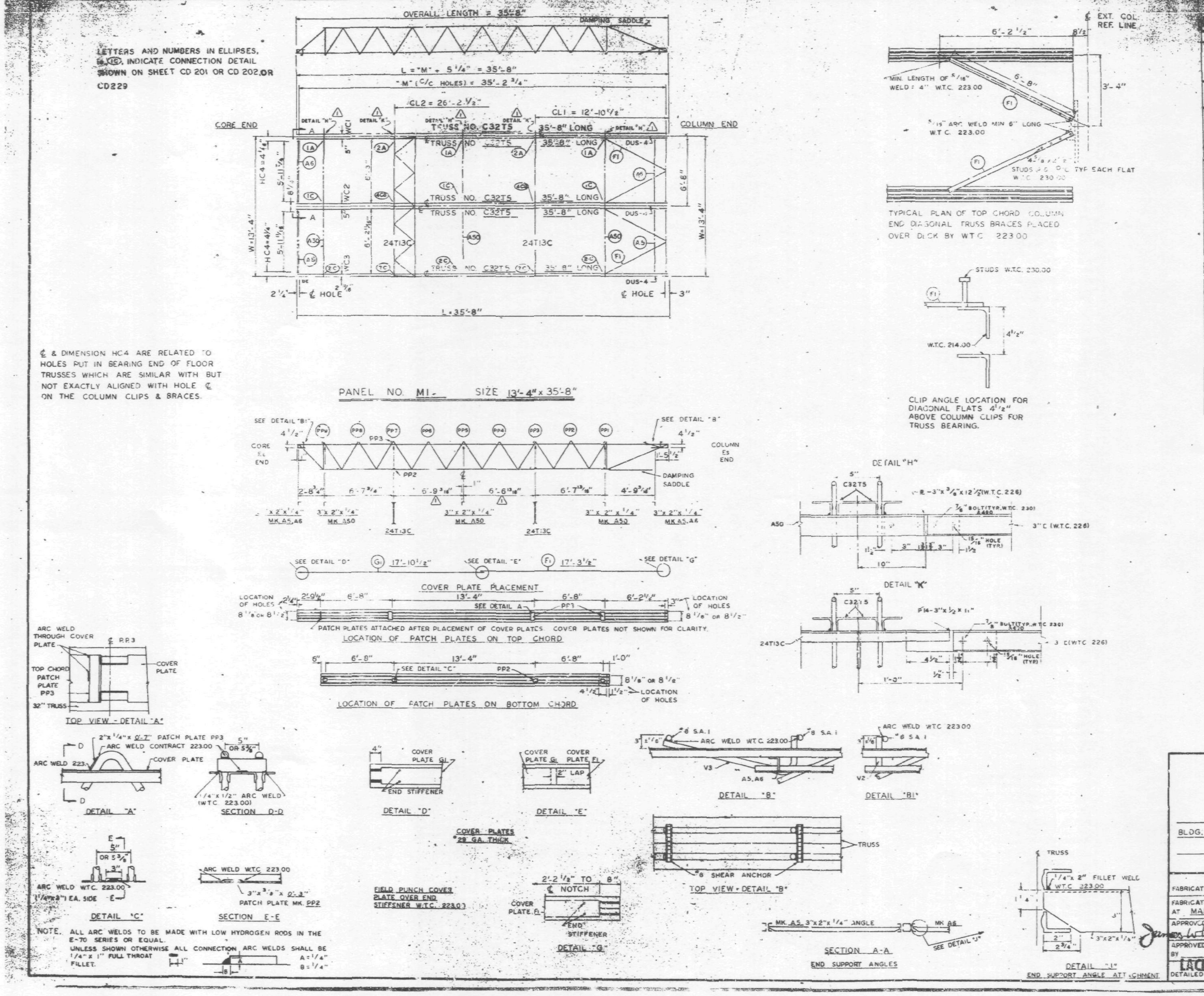
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46-49 (EAST), 79-83 (WEST)

PANEL KR1 13'-4"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-21
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE 1-30-69
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE 1-30-[illegible]
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221



[illegible]				
FLOOR TRUSSES				
BRIDGING TRUSSES	T13C	2	2T13C - 14'-1½	[illegible]
3"x 2"x 1/4" ANGLE	A50	3	3"x2"x1/4"x14'-1½	ST 418
	A5	2	3"x2"x1/4"x 6'-1 13/16	ST 409
	A6	2	3"x2"x1/4"x 6'-2"	ST 409
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP3	12	2"x 1/4"x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x 17'-10 1/2"	ST 303
	F1	3	7"x.0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	8	2½" x 1½ x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3½"x 3½"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3½" x 3/8" x 0'-6½"	ST 400
	P2	2	4½" x .39" x 0'-9"	ST 400
	P3	2	4½" x .39" x 1'-0"	ST 400
	P14	2	3" x 1/2" x 0'-11"	ST 409

NO.	DATE	REVISIO	BY
1	3-11-69	AS NOTED	G.D.C

REF. DRWG

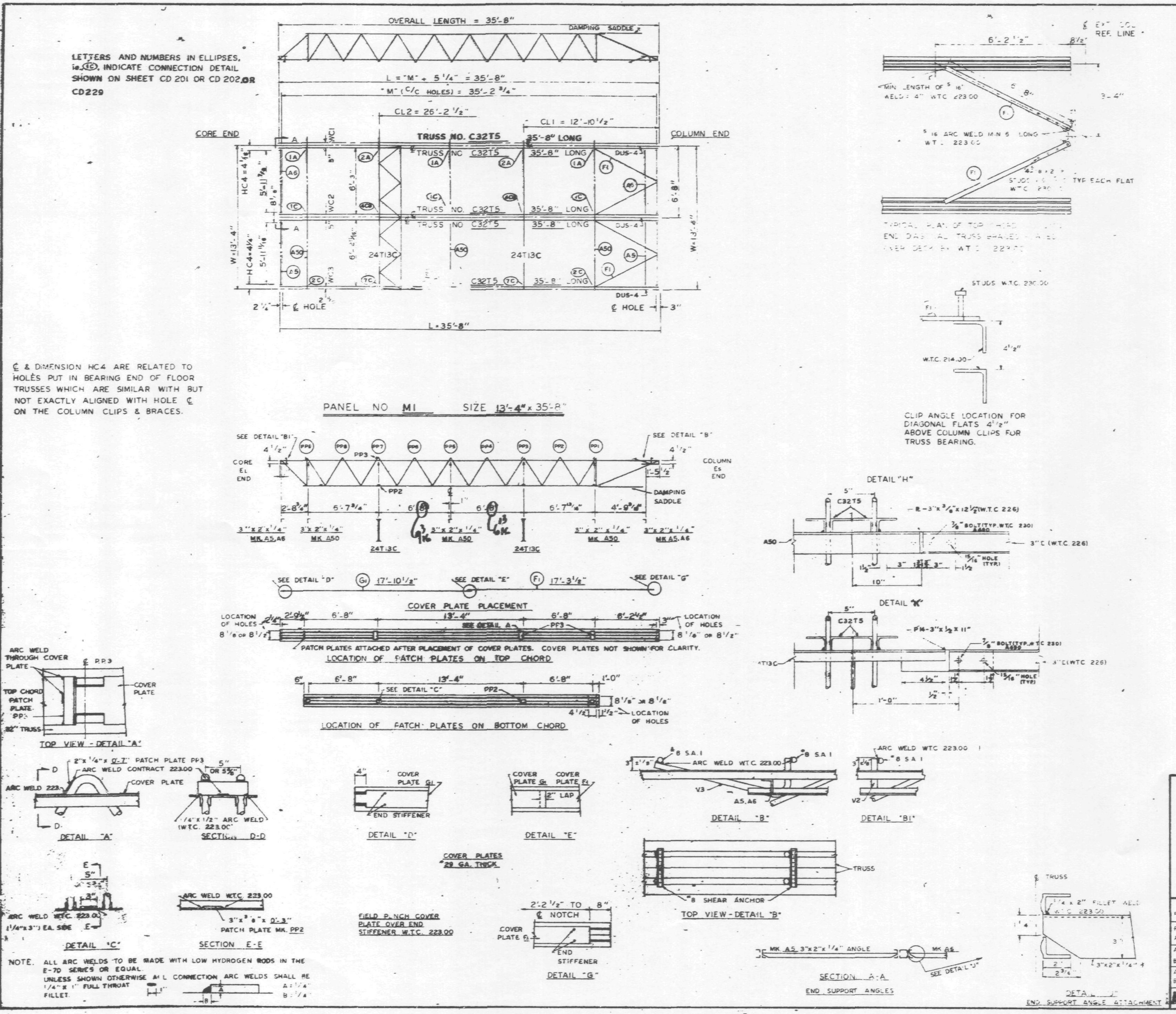
7-AB3-22	7-22-68
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4 39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2	7-22-68
7-AB4-2	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-49 (WEST), 80-83 (EAST)

PANEL M1 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO. 7-AB3-22 PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 3/24/69
DRAWN BY [illegible] DATE 1-29-69
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M. CHUBA DATE 1-29-69
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-M1



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	5	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13C	2	2T13C - 14'-1½	ST213C
3"x2"x1/4" ANGLE	A50	3	3"x2"x1/4"x14'-1¼"	ST412
	A5	2	3"x2"x1/4"x6'-[illegible]	ST403
	A6	2	3"x2"x1/4"x8'-2"	ST403
DIAGONAL FLATS	F	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	12	2"x1/4"x0'-7"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	G1	3	7"x0.135"x7'-10 1/2"	ST303
	F1	3	7"x0.135"x7'-3 1/2"	ST303
ANGLE CLIPS	C2	8	2½"x1½"x1/4"x6"	ST400
#8 SHEAR ANCHOR	SA	9	#8 REBAR x [illegible]	ST400
DAMPING SADDLE	DUS4	3	[illegible]	ST298
CONNECTION BAR	CB1	2	1" Φ x 1'-3"	ST400
CONNECTION PLATES	P1	3	3 1/2"x3/8"x0'-6 1/2"	ST400
	P2	2	4 1/2"x.39"x0'-9"	ST400
	P3	2	4 1/2"x.39"x1'-0"	ST400
	P14	2	3"x1/2"x0'-11"	ST409

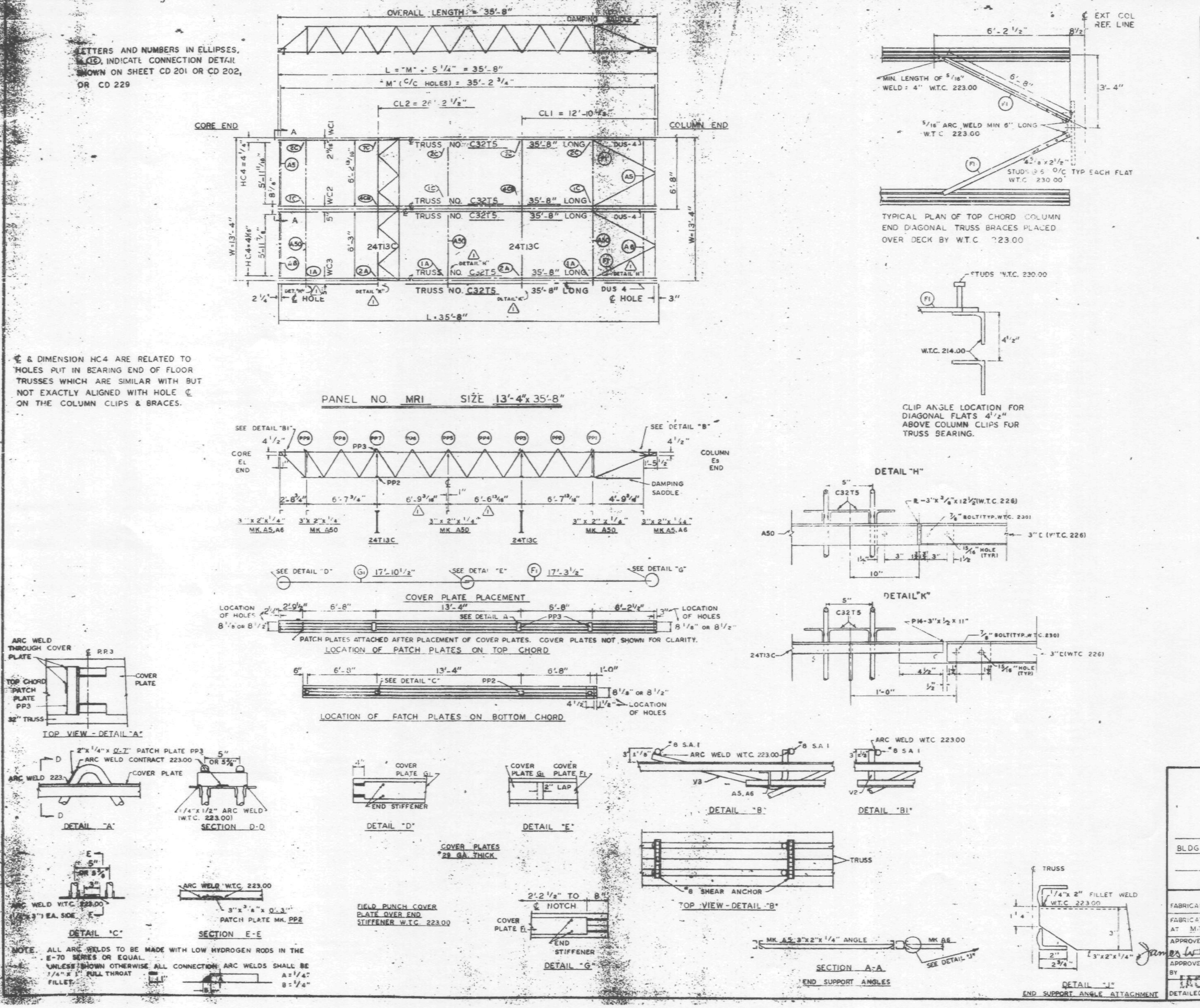
REF DRWG	
7-AB3-22	7-22-68
7-AB4-3 & 3	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-49 (WEST), 80-83 (EAST)

PANEL M1 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINIOIS
DESIGN DRAWING NO 7-AB3-22 PLATE
APPROVED FOR FABRICATION BY ________ FOR PONYA DATE
DRAWN BY R.B. DATE 1-29-69
APPROVED FOR FABRICATION BY ________ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE 1-29-69
LACLEDE STEEL CO. [illegible] BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO. FP-M1



LETTERS AND NUMBERS IN ELLIPSES, (1C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202, OR CD 229

€ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE € ON THE COLUMN CLIPS & BRACES.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 3" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T5	5	C32T5 - 35'-8"	ST209
BRIDGING TRUSSES	T13C	2	2T13C - 14'-1 1/2	BT213C
3"x 2"x 1/4" ANGLE	A50	3	3"x2"x1/4"x14'-1 1/4"	ST412
	A5	2	3"x2"x1/4"x6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x6'-2"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-9"	ST402
PATCH PLATES	PP3	12	2"x 1/4"x 0'-7"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x 0.135"x 17'-10 1/2"	ST 303
	F1	3	7"x 0.135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	6	2 1/2" x 1 1/2 x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	2	4 1/2" x .39" x 0'-9"	ST 400
	P3	2	4 1/2" x .39" x 1'-0"	ST 400
	P14	2	3" x 1/2" x 0'-11"	ST 409

NO.	DATE	REVISION	G.D.C.
1	3-11-69	AS NOTED	

REF. DRAG.

7-AB3-23	7-22-68
7-AB4-3, 5, 31	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2	7-22-68
7-AB4-42	10-15-68

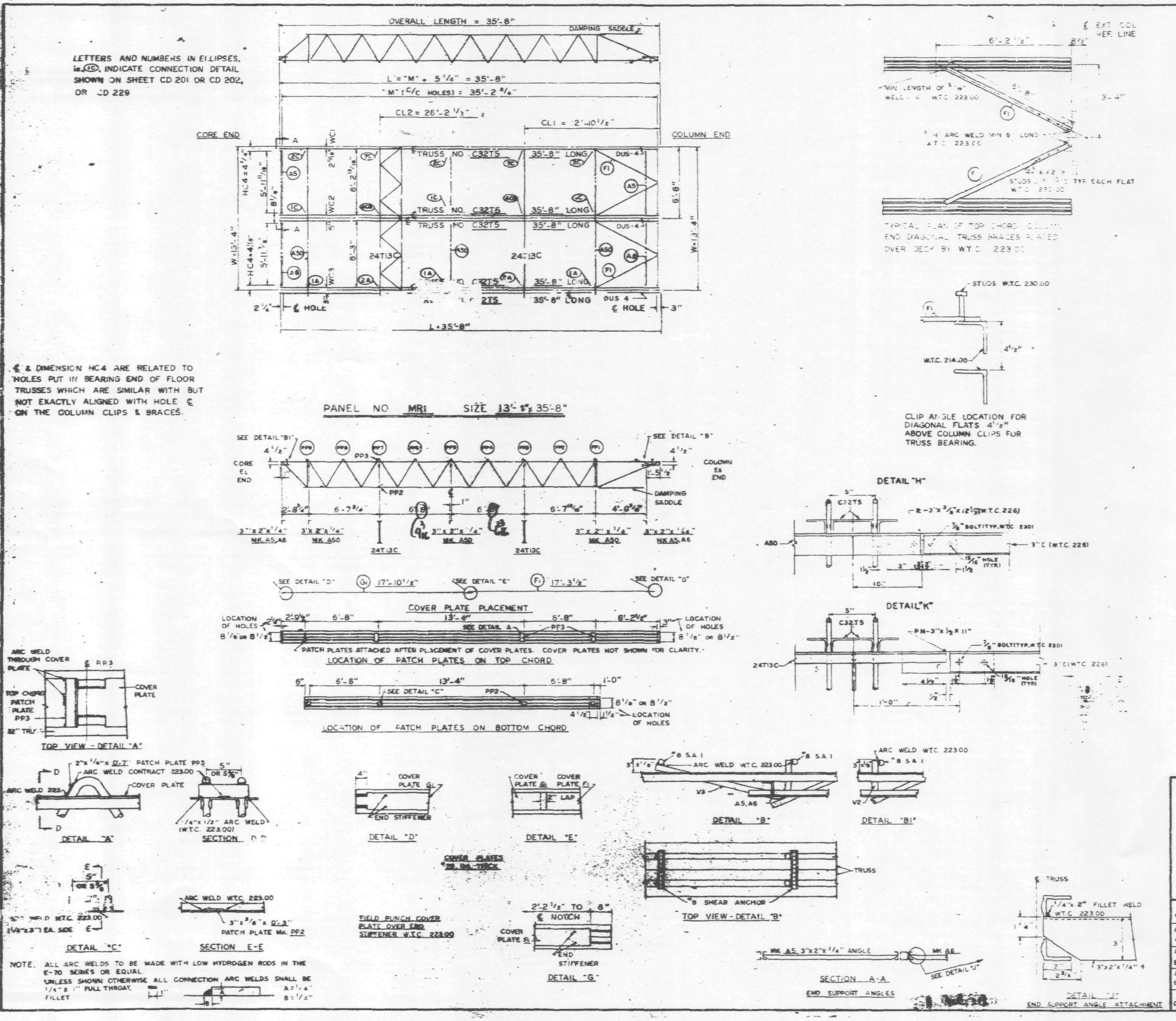
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46-49(EAST), 79-83(WEST)

PANEL MRI - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO. 7-AB3-23	PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 3/24/69	DRAWN BY R.R. DATE 1-29-69	
APPROVED FOR FABRICATION BY FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY T.M. CHURA DATE 1-29-69	
DETAILED BY A. C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-MR1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	5	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13C	2	2T13C - 14'-1½	BT213C
3" x 2" x 1/4" ANGLE	A50	3	3"x2"x1/4"x14'-1 1/4"	ST412
	A5	2	3"x2"x1/4"x6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x6'-2"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	12	2"x1/4"x0'-7"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x17'-10 1/2"	ST303
	F1	3	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	8	2 1/2"x1 1/2"x1/4"x6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	2	4 1/2"x.39"x0'-9"	ST 400
	P3	2	4 1/2"x.39"x1'-0"	ST 400
	P14	2	3"x1/2"x0'-11"	ST 400

REF DRWG

7-AB3-23	7-22-68
7-AB4-3 & 3	1-3-68
7-AB4-15 & 6	7-22-68
7-AB5-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2	7-22-68
7-AB4-42	10-15-68

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON
Structural & Civil Engineers
3/4/69 SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46-49(EAST), 79-83(WEST)

PANEL MR1 - 13'-4" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS

DESIGN DRAWING NO 7-AB3-23 PLATE

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE

DRAWN BY R.B. DATE 1-29-69

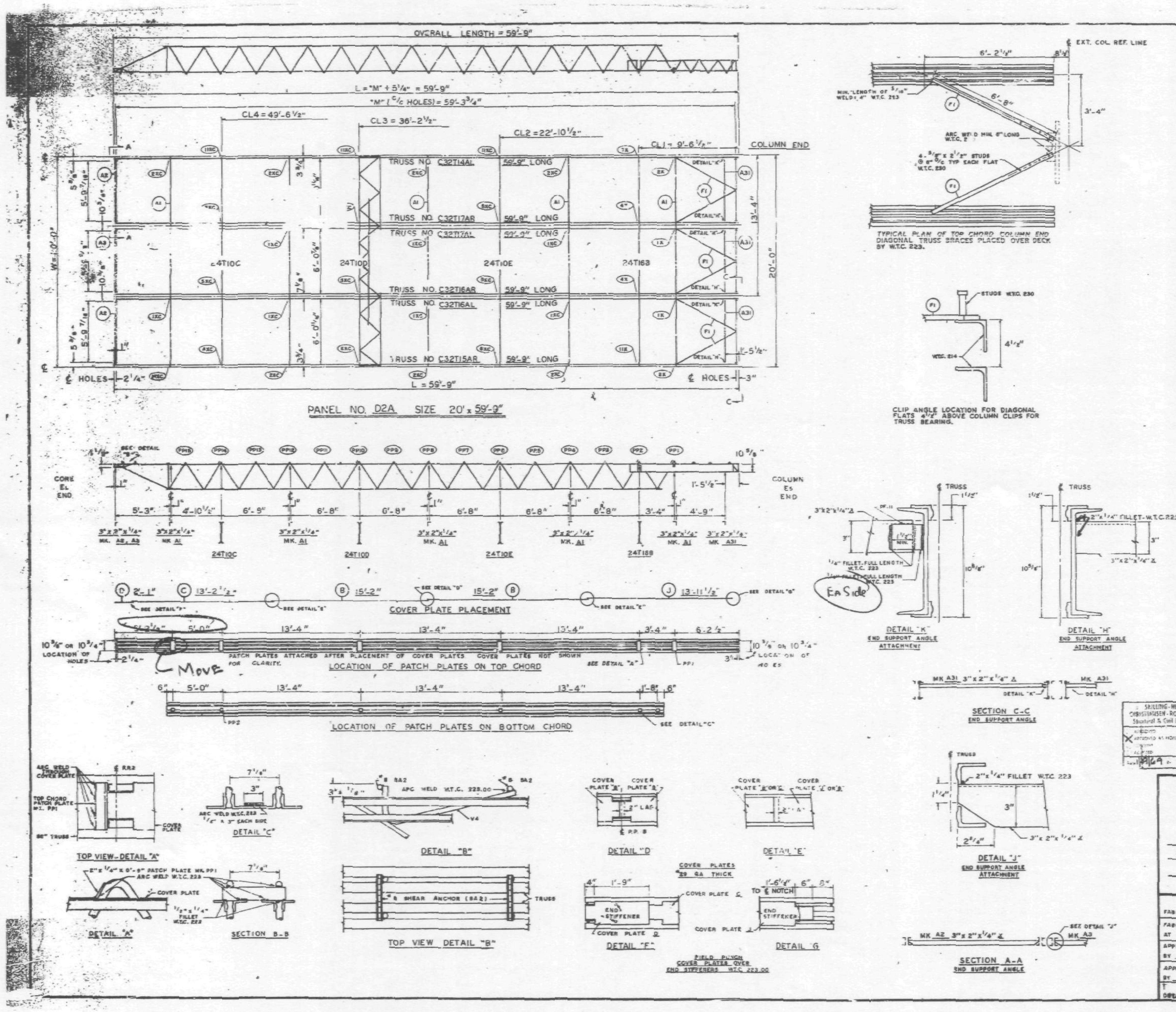
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

CHECKED BY I.M. CHURA DATE 1-29-69

DETAILED BY A.C. WEBER

FABRICATION CONT NO. W.T.C 221

SHEET NO. FP-MR1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	1	C32T14AL x 59'-9"	ST 214AL
	T15AR	1	C32T15AR x 59'-9"	ST 215AL
	~~T16AL~~	~~1~~	~~C32T16AL x 59'-9"~~	ST 216AL
	~~T16AR~~	~~1~~	~~C32T16AR x 59'-9"~~	
	~~T17AL~~	~~1~~	~~C32T17AL x 59'-9"~~	ST 217AL
	~~T17AR~~	~~1~~	~~C32T17AR x 59'-9"~~	
BRIDGING TRUSSES	T10C	1	24T10C x 19'-11"	ST 210C
	T10D	1	24T10D x 19'-11"	ST 210D
	T10E	1	24T10E x 19'-11"	ST 210E
	T168	1	24T168 x 19'-11"	ST 2189
3" x 2" x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x5'-11 3/4"	ST 403
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PT-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1" x .25" x 6"	ST 400
# 8 SHEAR ANCHOR	SA2	6	# 8 REBAR x 0'-8"	ST 400
CONNECTION BAR	CB1	3 (4)	1" ø x 1'-3"	ST 400
	CB4	3	1" ø x 0'-10"	ST 400
	CB	1	1" ø x 1'-7	
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

SKILLING-HELLE CHRISTIANSEN-ROBERTSON Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
1/9/69 SK

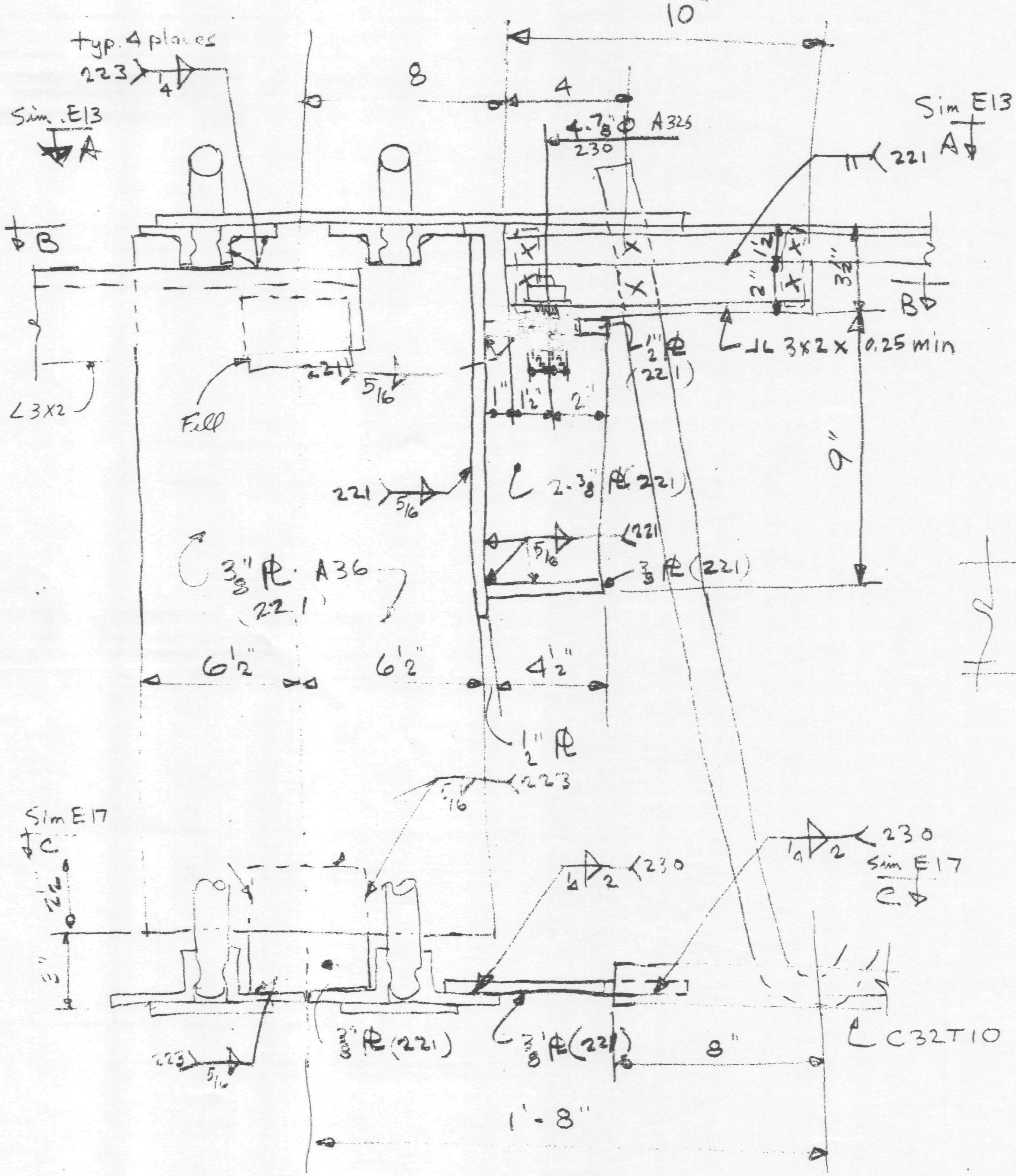
REF. DRWG.	
7-A83-30	10-4-68
7-A84-28	7-22-68
7-A81-13	10-4-68
7-A81-14, 15 & 16	10-4-68
7-A82-13	10-4-68
7-A82-17	10-4-68
3A-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

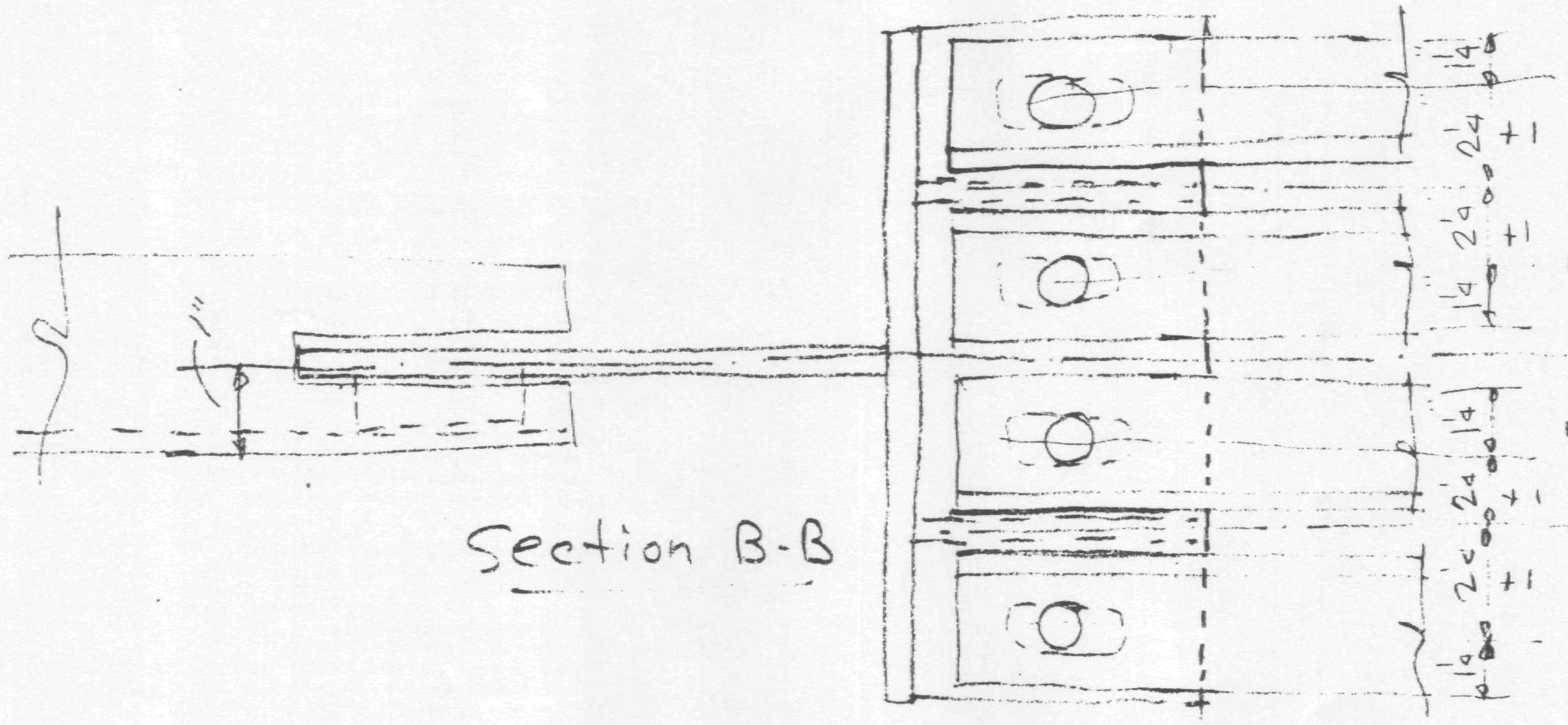
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL D2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-A83-30 PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE ____
DRAWN BY L.R. DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE ____
CHECKED BY T.M. CHUBA DATE DEC. 5, 1968
IN CHARGE OF PROD. C. J.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP D2A



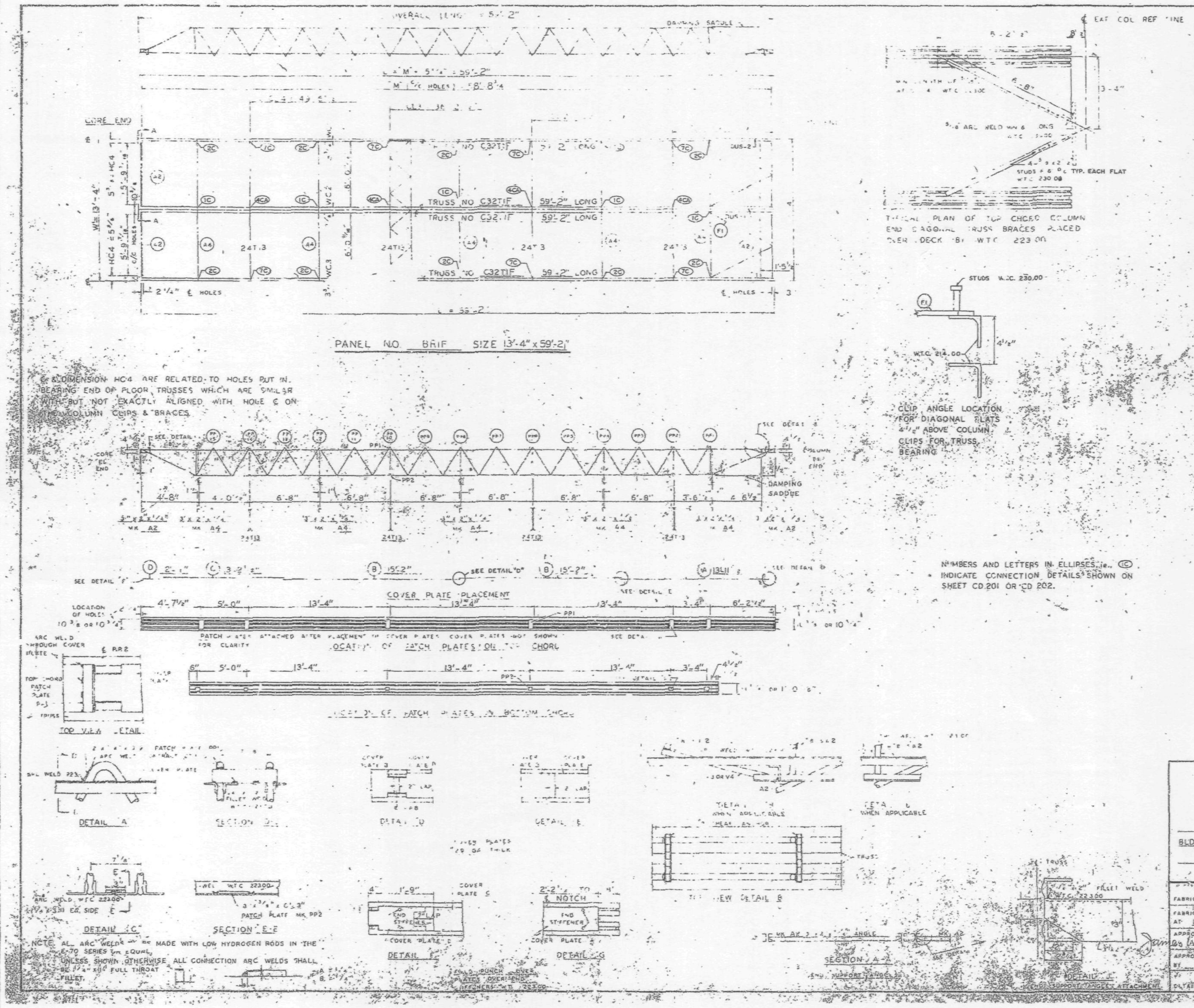
DETAIL E18



Section B-B

SHCR

0500-0599
WTC1-131-LERA



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T1F	4	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4"x13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/16"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST299
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST400
CONNECTION PLATES	P1	8	3 1/2"x3/8"x0'-6 1/2"	ST400
	P2	4	4 1/2"x.30"x0'-9"	ST400
	P3	4	4 1/2"x.30"x1'-0"	ST400

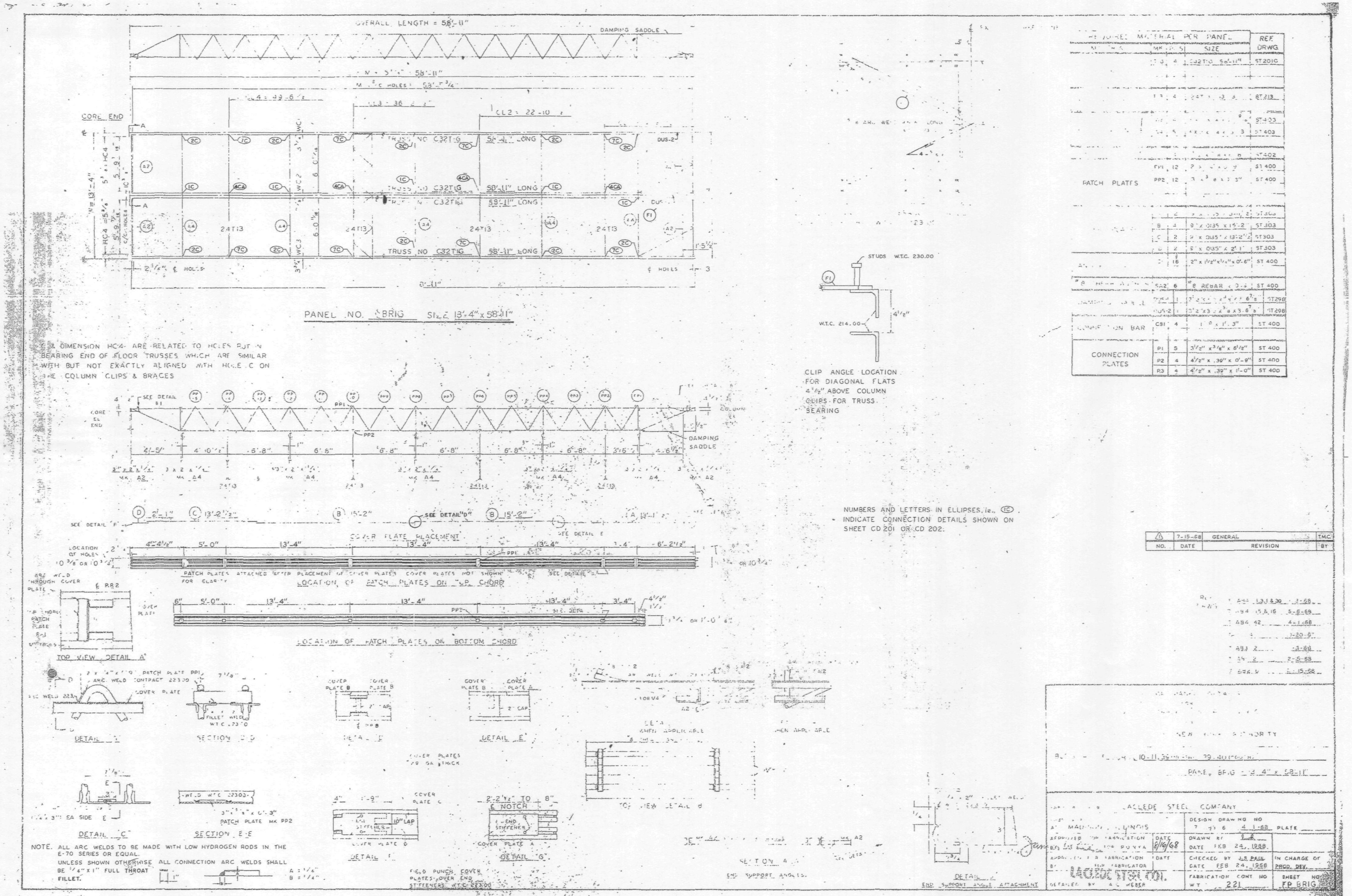
NO.	DATE	REVISION	BY

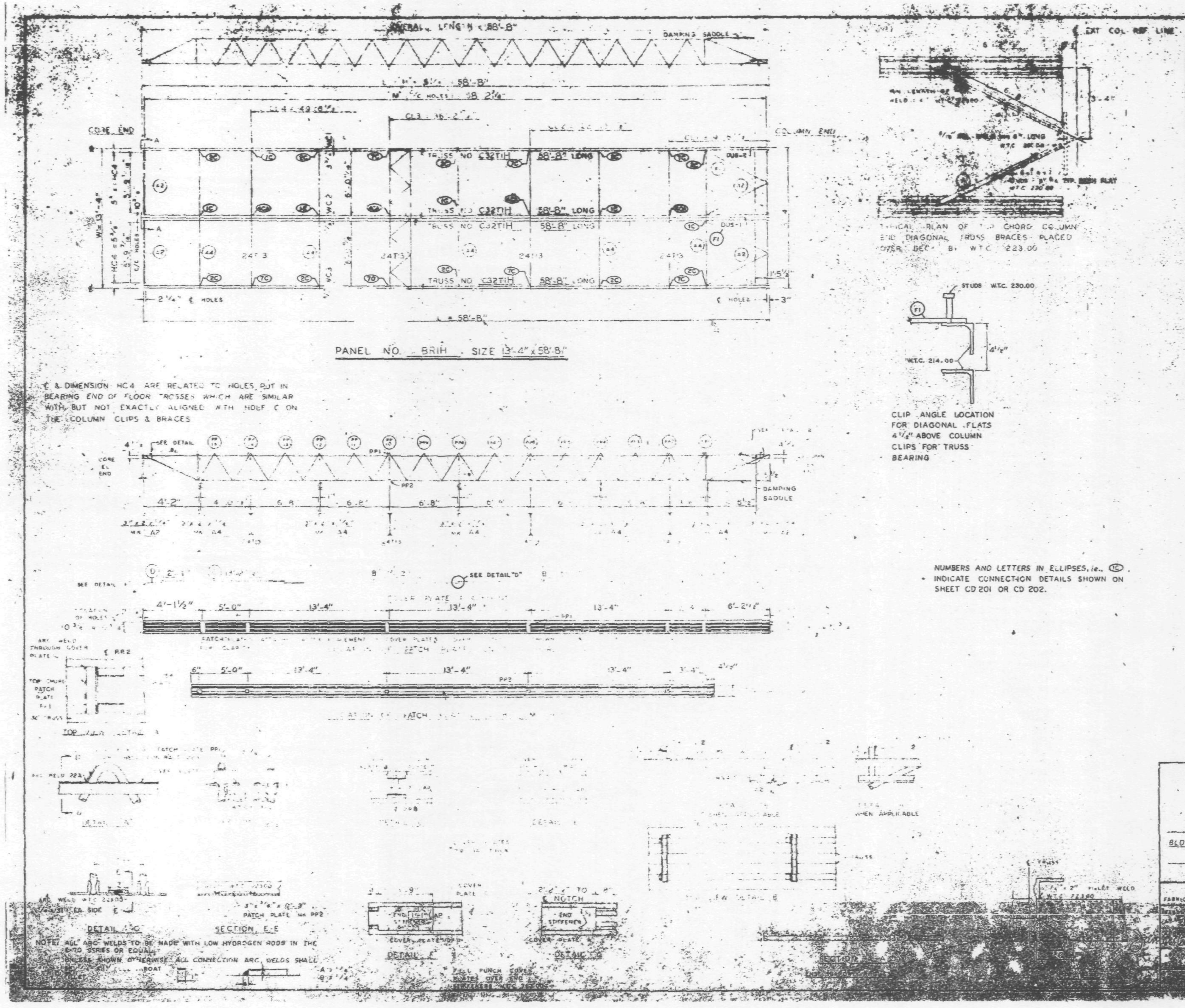
REF DRWG	
7-AB4-3,3,1	1-3-68
7-AB4-15-16 & 39	7-22-68
7-AB4-42	10-15-68
SA-24	10-11-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 47-48, 70-71(N) & 47-48(S)
PANEL BRIF - 13'-4" x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB2-6 7-22-68 PLATE
APPROVED FOR FABRICATION James [illegible] FOR P.O.N.Y.A. DATE 11/1/68
DRAWN BY [illegible] DATE 10-22-68
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE 10-22-68
IN CHARGE OF PROD. REV.
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP BRIF


OVERALL LENGTH = 58'-11"
DAMPING SADDLE
CORE END
TRUSS NO C32T1G 58'-11" LONG
TRUSS NO C32T1G 58'-11" LONG
TRUSS NO C32T1G 58'-11" LONG
24T13
CL2 = 22'-10"
PANEL NO. FBRIG SIZE 13'-4" x 58'-11"
DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES
DAMPING SADDLE
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL A
DETAIL "C"
SECTION E-E
DETAIL "E"
DETAIL "F"
DETAIL "G"
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
STUDS W.T.C. 230.00
W.T.C. 214.00
NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
REQUIRED MATERIAL PER PANEL
MK | NO | SIZE | REF DRWG
PATCH PLATES | PP1 | 12 | ST 400
PATCH PLATES | PP2 | 12 | ST 400
B | 4 | 9" x .0135" x 15'-2" | ST 303
C | 2 | 9" x .0135" x 13'-2 1/2" | ST 303
16 | 2" x 1 1/2" x 1/4" x 0'-6" | ST 400
SA2 | 6 | #8 REBAR | ST 400
DUS-2 | 1 | ST298
CONNECTION BAR | CB1 | 4 | ST 400
CONNECTION PLATES | P1 | 5 | 3 1/2" x 3/8" x 6 1/2" | ST 400
P2 | 4 | 4 1/2" x .39" x 0'-9" | ST 400
P3 | 4 | 4 1/2" x .39" x 1'-0" | ST 400
7-15-68 GENERAL
NO. DATE REVISION BY
NEW YORK AUTHORITY
PANEL BRIG 13'-4" x 58'-11"
LACLEDE STEEL COMPANY
ALTON, ILLINOIS
DESIGN DRAWING NO
4-1-68 PLATE
APPROVED FOR FABRICATION FOR PONYA DATE 8/16/68
DRAWN BY
DATE FEB 24, 1968
CHECKED BY J.S. PAUL
DATE FEB 24, 1968
IN CHARGE OF PROD. DEV.
APPROVED FOR FABRICATION FOR FABRICATOR
LACLEDE STEEL CO.
DETAILED BY A.C. HEBER
FABRICATION CONT NO
221
SHEET NO FP BRIG



[illegible]	[illegible]			
FLOOR TRUSS	[illegible]	[illegible]	[illegible]	[illegible]
BRIDGING TRUSSES	T15	4	24T13 [illegible]	[illegible]
3"x2"x1/4" ANGLE	A2	4	[illegible]	[illegible]
	A4	6	[illegible]	[illegible]
DIAGONAL FLATS	F1	4	[illegible]	[illegible]
℄ PATCH PLATES	PP1	12	[illegible]	[illegible]
	PP2	12	[illegible]	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	CL	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	8	[illegible]	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3,3,1	-3-68
7-AB4-15,18 & 39	7-22-68
7-AB4-42	10-15-68
SA 124	10-11-68
7-A33-2	-3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80(N)

PANEL BRIH - 13'-4" x 58'-8"

FABRICATION BY LACLEDE STEEL COMPANY

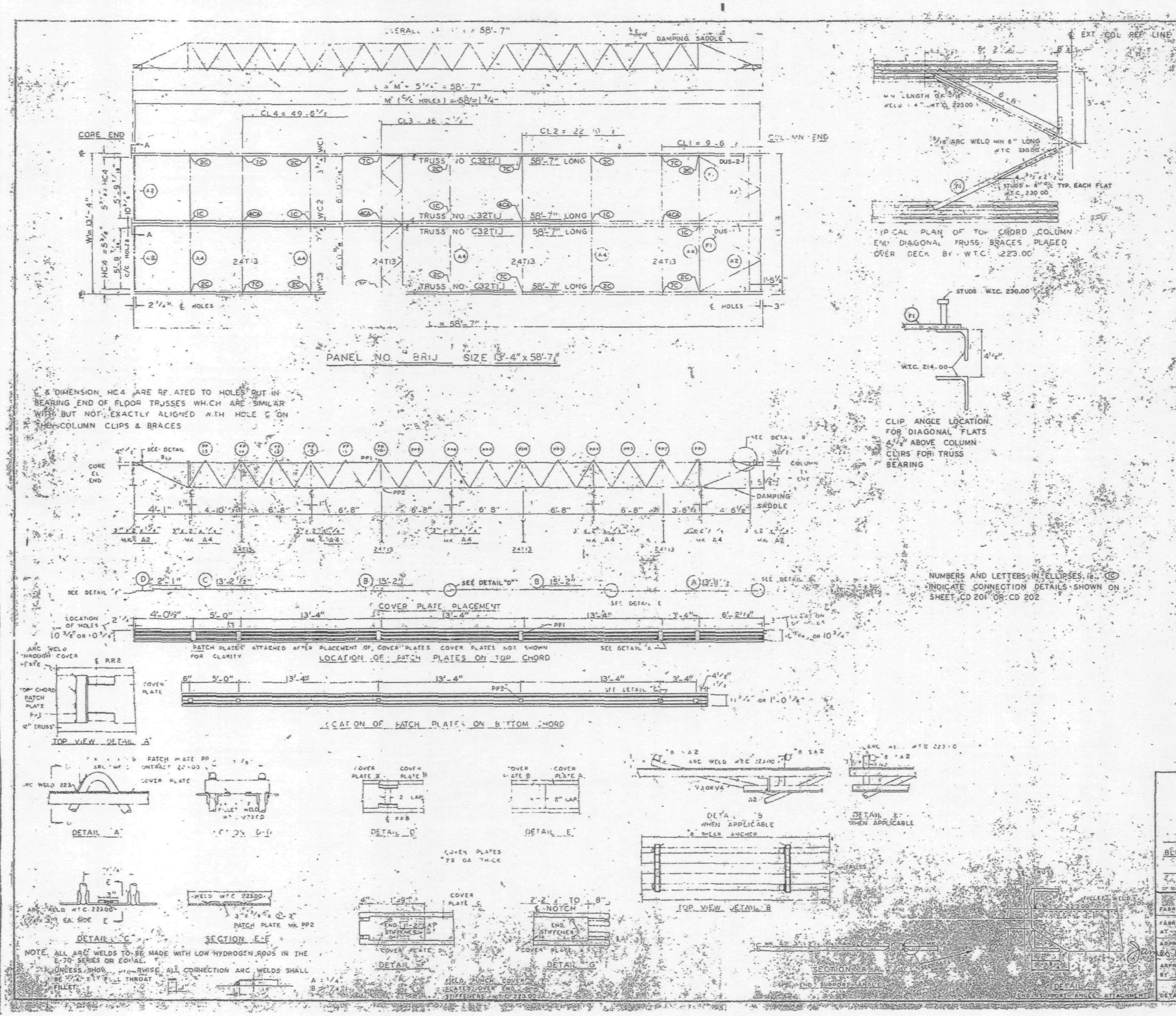
7-22-68

10-22-68

T.M. CHURC

10-22-68

BRIH



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1J	4	C32T1J - 58'-7"	ST201J
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4" ANGLE	A2	24	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP1	12	2"x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1 1/2" x 3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .390" x 0'-9"	ST 400
	P3	4	4 1/2" x .390" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

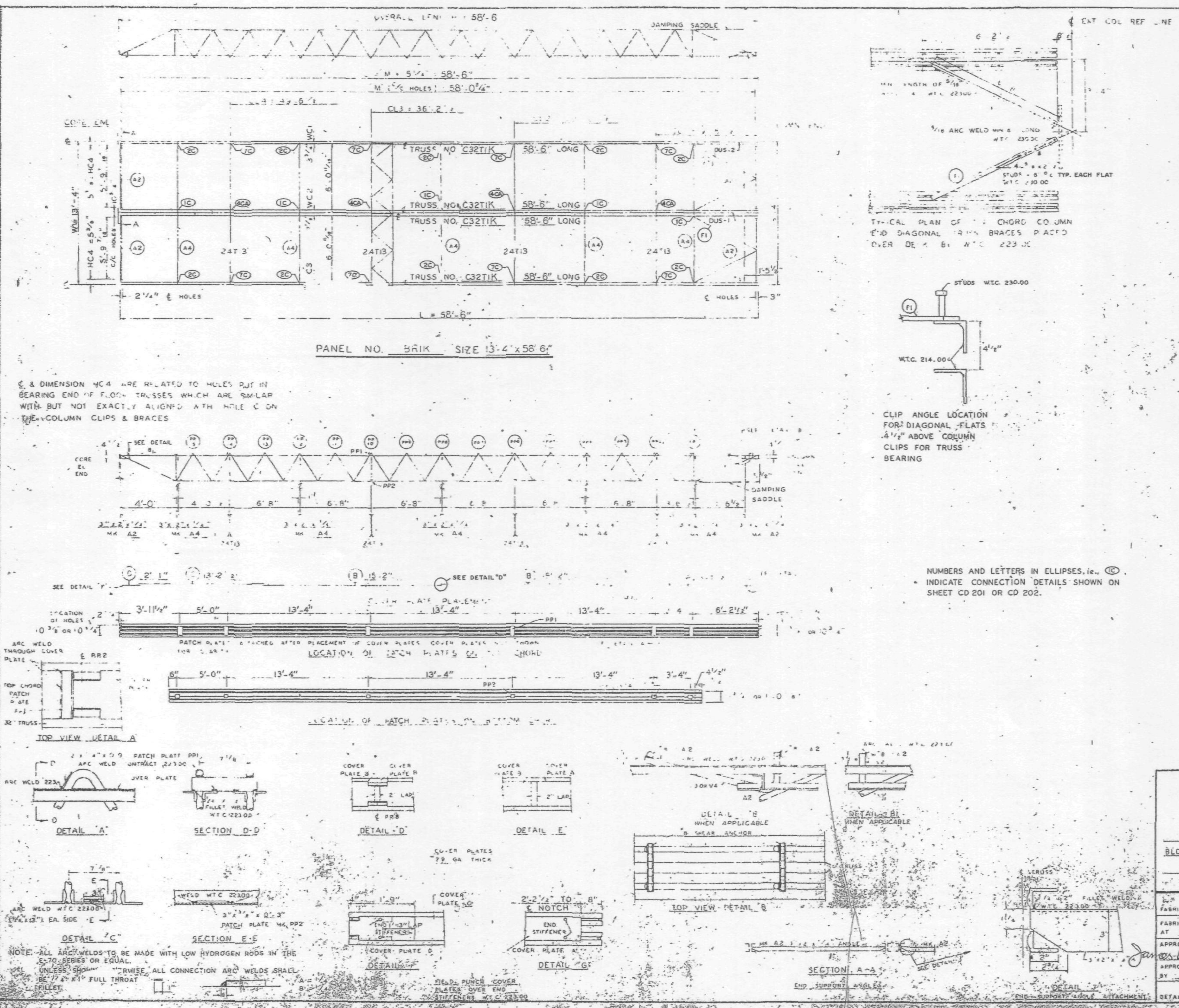
7-AB4 3,3,1	1-3-68
7-AB4 -15,16 & 39	7-22-68
7-AB4-42	10-15-68
SA 124	10-11-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 40(N)

PANEL BRIJ 3'-4" x 58'-7"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-6 7-22-68 PLATE
APPROVED FOR FABRICATION [signature] FOR P.O.N.Y.A. DATE 11/1/68
DRAWN BY DATE 10-22-68
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE 10-22-68
IN CHARGE OF PROD. DIV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-4F1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	4	C32T1K - 58'-6"	ST 201K
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT 213
3 x 2 x 1/4 ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST 303
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .035" x 13'-2 1/2"	ST 303
	D	2	9" x .035" x 2'-1"	ST 303
ANGLE, CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG
- 7-AB4 3,3,1 — 1-3-68
- 7-AB4-15,16 & 39 — 7-22-68
- 7-AB4-42 — 10-15-68
- SA 24 — 10-11-68
- 7 AB3 2 — 1-3-68
- 7-AB1-2 — 7-22-68
- 7-AB2-B — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46(N) + 45-46 (S)

PANEL BRIK - 13'-4" x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6 7-22-68 PLATE

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 11/1/68

DRAWN BY — DATE 10-22-68

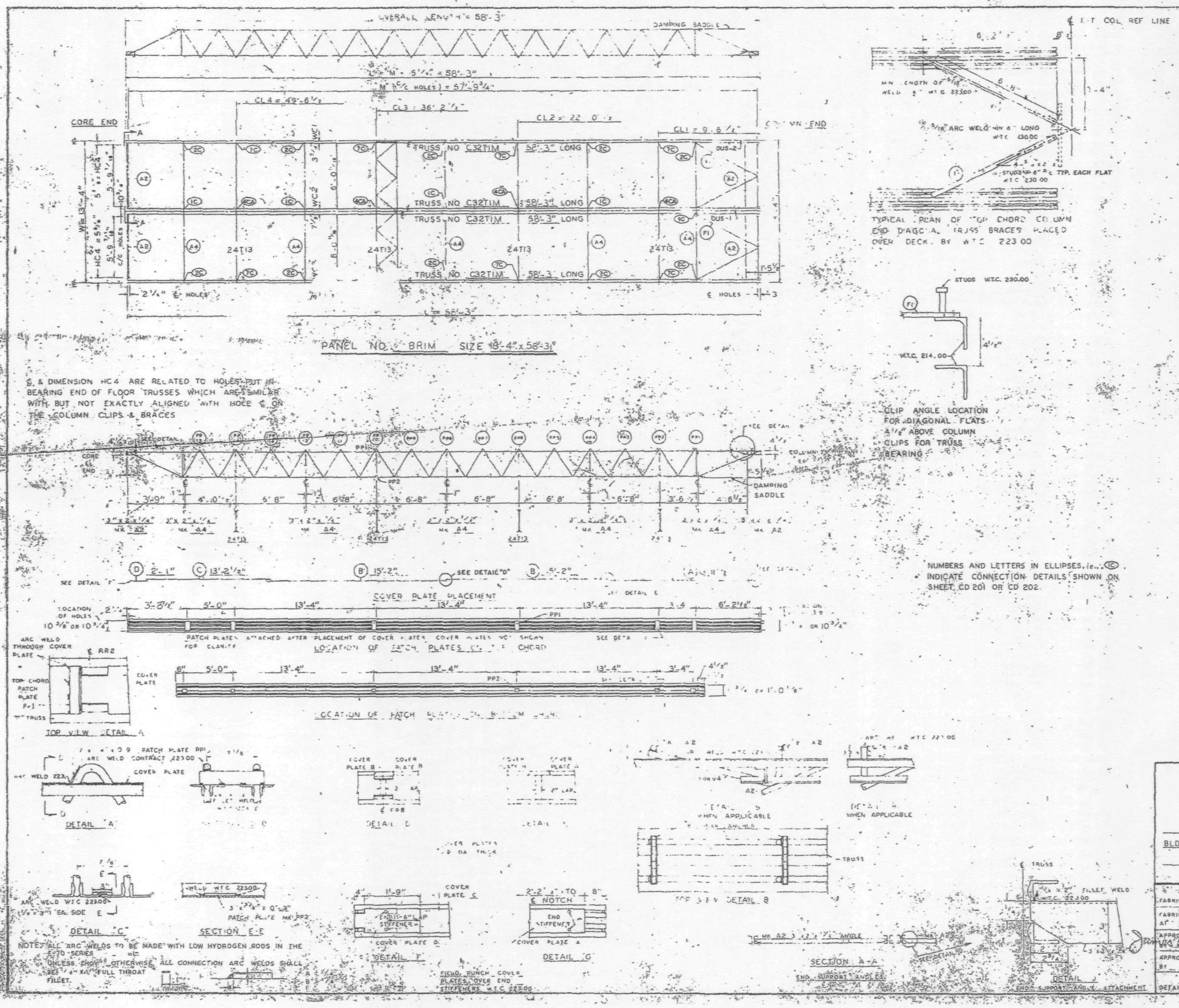
APPROVED FOR FABRICATION BY — FOR FABRICATOR DATE

CHECKED BY T M CHURA DATE 10-22-68 IN CHARGE OF PROD. DEV.

DETAILED BY A. C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP BRIK



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1M	4	C32T1M - 58'-3"	ST201M
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3"x2"x1/4" ANGLE	A2	14	3"x2"x1/4"x5'-11 1/16"	ST403
	A4	5	3"x2"x1/4x13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x5'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8-REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	[illegible]	4 1/2"x.390"x0'-[illegible]	ST 400
	P3	4	4 1/2"x.390"x1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7 AB4 3.3	1-3-68
7 AB4 13,18 & 28	7-22-68
7 AB4 42	10-15-68
S4 24	10-11-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7 AB2 6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73(N)

PANEL 9BRIM - 13'-4" x 58'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6 7-22-68 PLATE

APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 11/1/68

DRAWN BY DATE 10-22-68

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

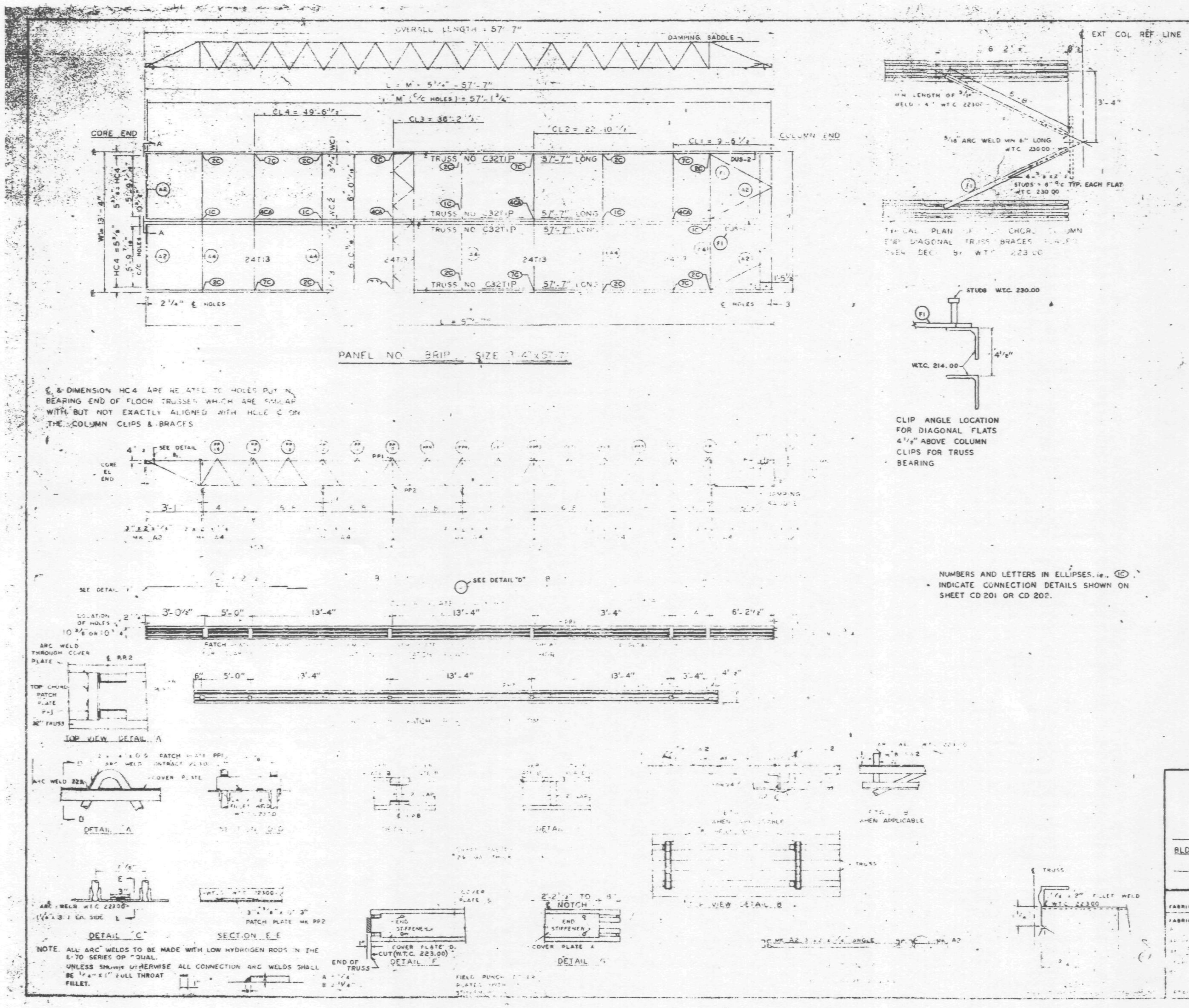
CHECKED BY TM CHURA DATE 10-22-68

IN CHARGE OF

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FD 9BRIM



REQUIRED MATERIAL [illegible]				
MATERIAL	MK	PCS	[illegible]	[illegible]
FLOOR TRUSSES	T1P	4	[illegible]	[illegible]
BRIDGING TRUSSES	T13	4	24T13 - 13'-3" [illegible]	[illegible]
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11/16"	[illegible]
	A4	5	3"x2"x1/4"x13'-3" [illegible]	ST 403
DIAGONAL FLATS	F1	4	[illegible]	ST 402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST 303
	B	4	9"x.0135"x15'-2"	ST 303
	C	2	9"x.0135"x15'-2 1/2"	ST 303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-8"	ST 400
#81 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-8 1/8"	[illegible]
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-8 7/8"	[illegible]
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	4	4 1/2"x.30"x0'-9"	ST 400
	P3	4	4 1/2"x.30"x1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3,3.1	1-3-68
7-AB4-13,16&32	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74(N)

PANEL BRIP - 13'-4" x 57'-7"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6 7-22-68 PLATE

DATE 11/1/68

DRAWN BY [illegible] DATE 10-22-68

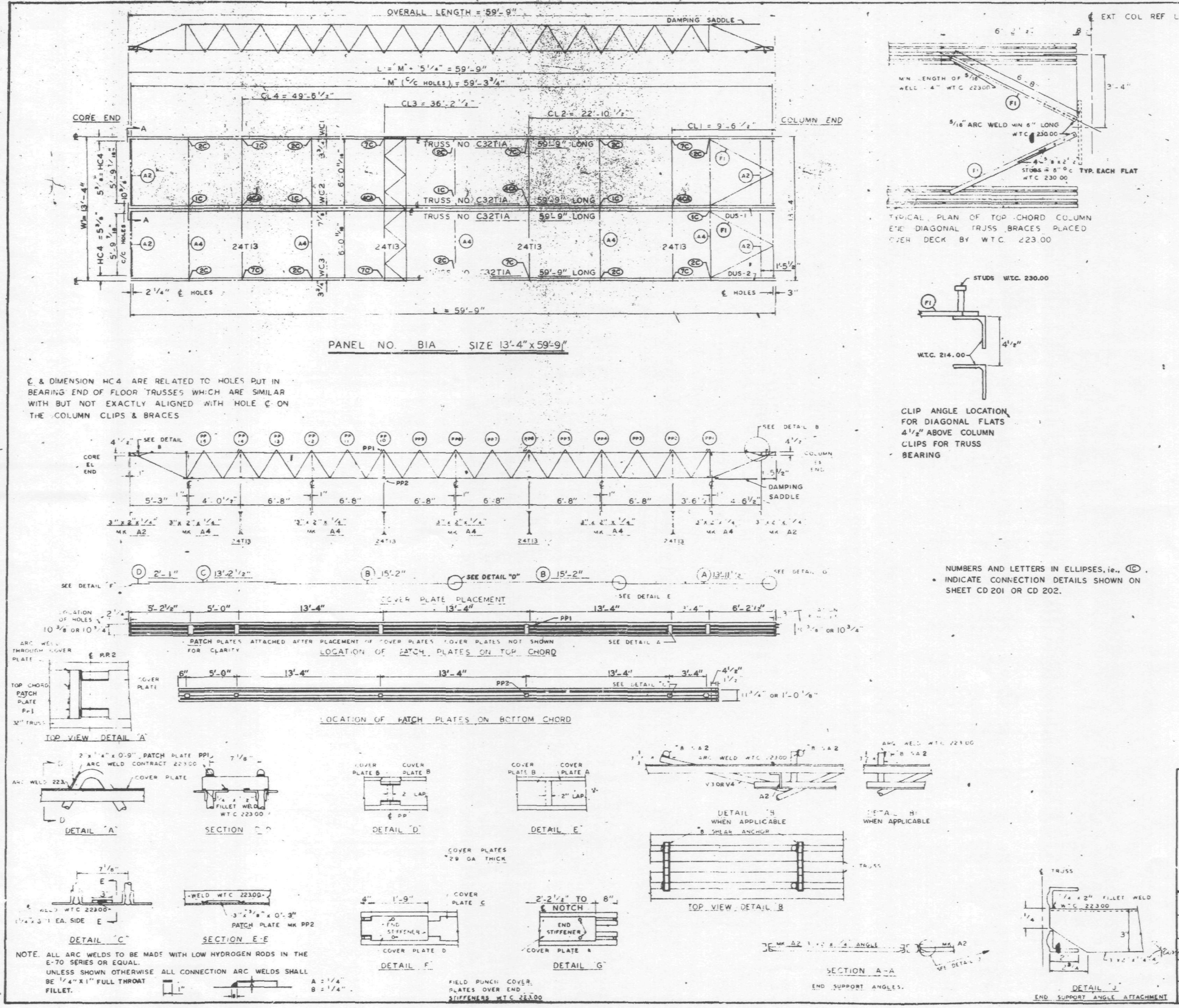
CHECKED BY T.M.CHURA DATE 10-22-68

IN CHARGE OF PROD. DEV

FOR FABRICATOR

FABRICATION CONT NO. W.T.C. 221

SHEET FP-BRIP



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1A	4	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
PATCH PLATES	PP1	12	2"x 1/4"x 0'-9"	ST 400
	PP2	12	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	2	9"x .0135"x 13'-11 1/2"	ST303
	B	4	9"x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	15	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	7-15-68	GENERAL	T.M.C.

REF DRWG

7-AB4-3,3.1 & 30	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-5-68
7-AB2-8	2-15-68

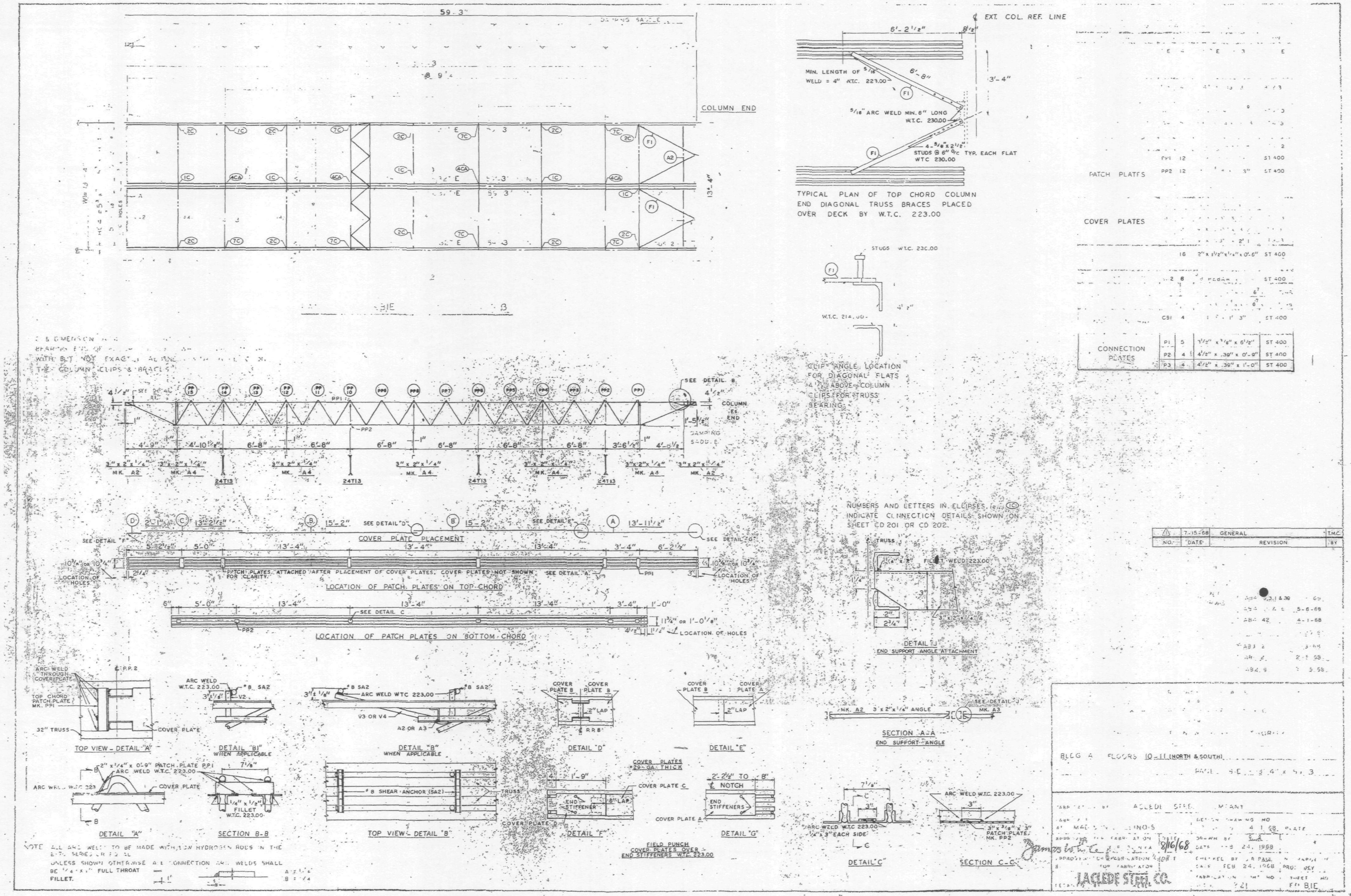
LACLEDE STEEL CO.

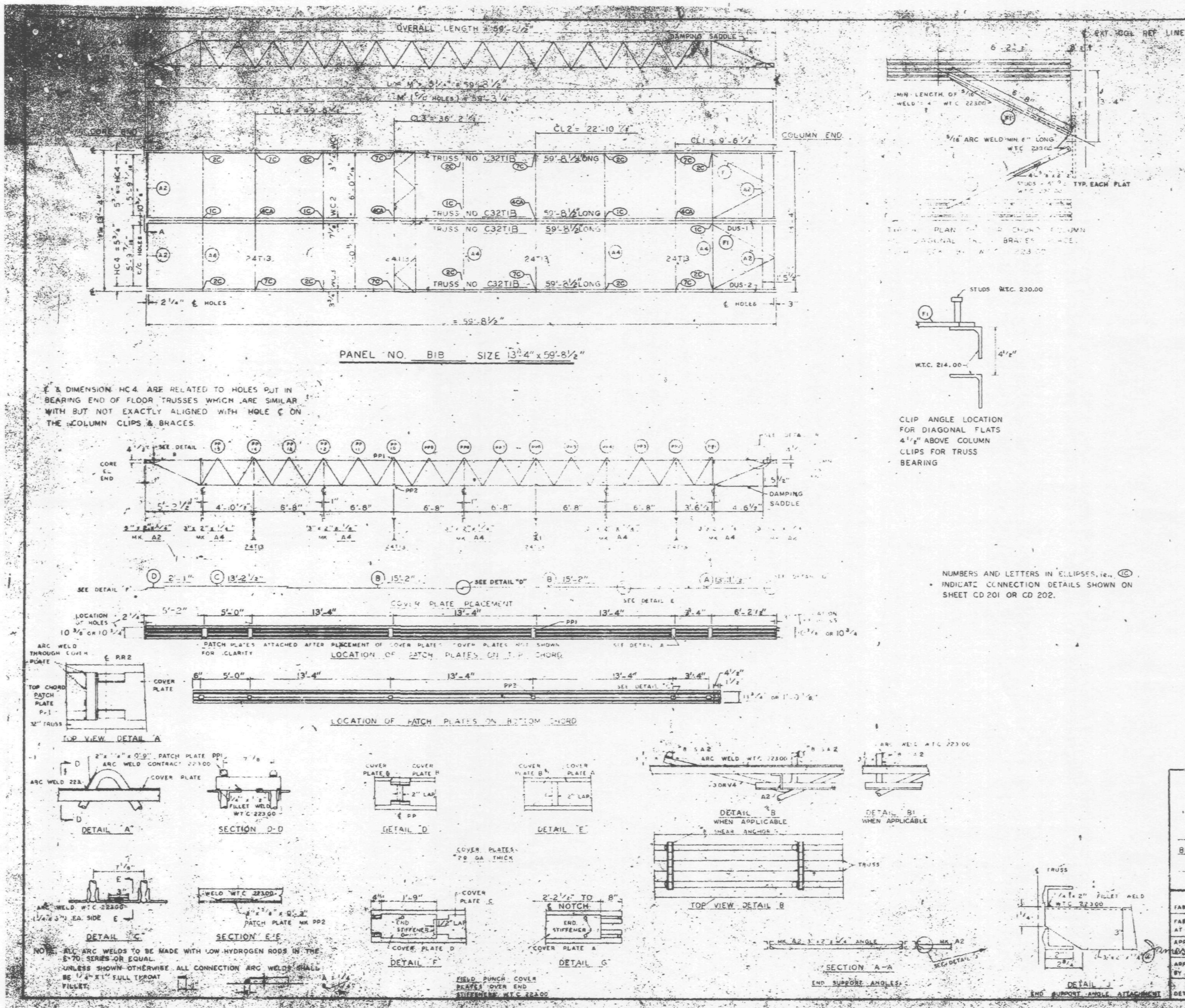
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68
69 (NORTH) PANEL B1A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE	
APPROVED FOR FABRICATION [signature] FOR PONYA	DATE 8/16/68	DRAWN BY [signature] DATE FEB. 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB. 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.G. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP B1A


59'-3"
COLUMN END
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
℄ EXT. COL. REF. LINE
MIN. LENGTH OF 5/16" WELD = 4" W.T.C. 223.00
5/16" ARC WELD MIN. 6" LONG W.T.C. 230.00
STUDS @ 6" O/C TYP. EACH FLAT WTC 230.00
PATCH PLATES
COVER PLATES
CONNECTION PLATES
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
NUMBERS AND LETTERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
7-15-68 GENERAL T.M.C.
NO. DATE REVISION BY
BLDG A FLOORS 10-11 (NORTH & SOUTH)
LACLEDE STEEL CO.
8/16/68



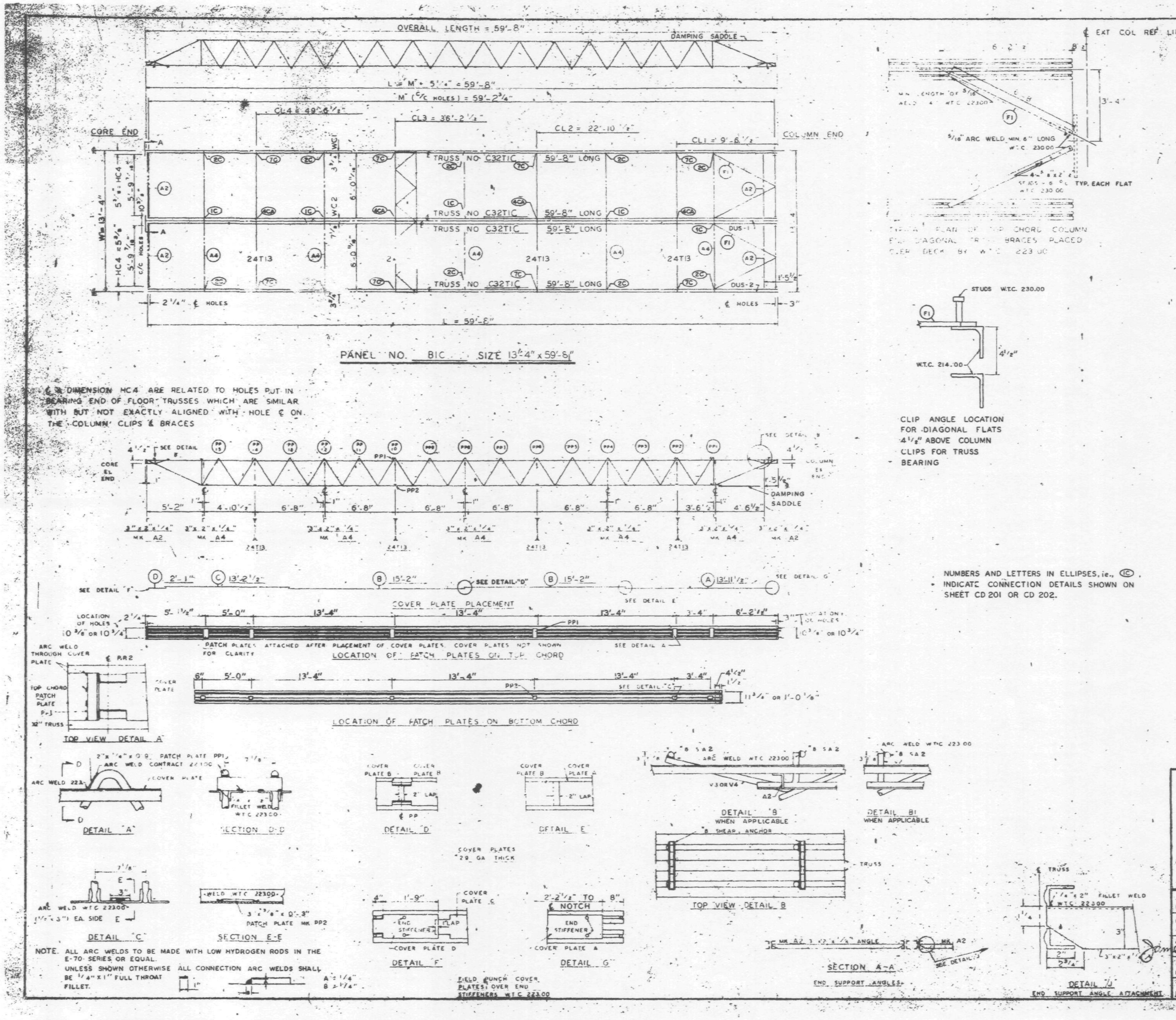
REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1B	4	C32T1B - 59'-8 1/2"	ST 201B
BRIDGING TRUSSES	T1S	4	24T13 - 13'-3"	ST 213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 8'-8"	ST 402
PATCH PLATES	PP1	12	2"x [illegible] x 0'-9"	ST 400
	PP2	12	3"x [illegible] x 0'-3"	ST 400
[illegible] PLATES	A	2	9"x .0135" x 13'-11 1/2"	ST 303
	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
ANGLE [illegible]	[illegible]	16	3"x 1 1/2"x [illegible] x 0'-6"	ST 400
[illegible] ANCHOR	SA2	8	[illegible] x 0'-9"	ST 400
[illegible] SADDLE	DUS-1	1	3 1/2"x 3 1/2"x 3/8"x 3'-5 3/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1"x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-0"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (N)
PANEL B1B - 13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION FOR PONYA DATE 10/23/68
DRAWN BY [illegible] DATE OCT. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. [illegible] DATE OCT. 5, 1968
IN CHARGE OF PROD. REV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FB B13



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1C	4	C32T1C - 59'-8"	ST201C
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

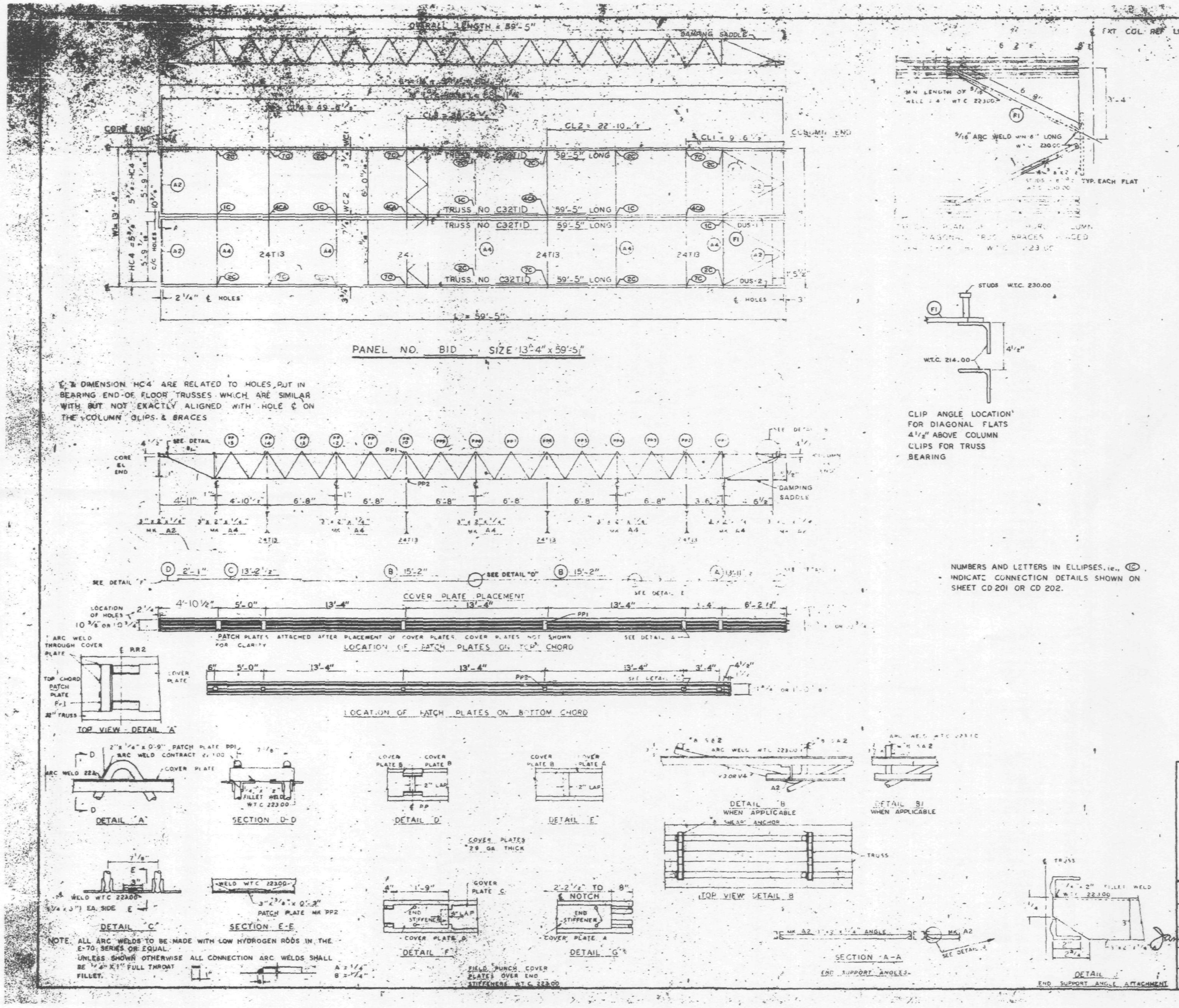
7-AB4-2,3,1 & 39 — 1-3-68
7-AB4-15 & 18 — 3-6-68
7-AB4-42 — 4-1-68
SP 124 — 10-20-67
7-AB3-2 — 1-3-68
7-AB1-2 — 2-15-68
7-AB2-8 — 2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49-58, 60-66, 68-74, 79-91, 93-106(?)
PANEL B1C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE	
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 10/23/68	DRAWN BY DATE OCT. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T. MICHURA DATE 1968	IN CHARGE OF
DETAILED BY		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FB B1C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1D	4	C32T1D - 59'-5"	ST 201
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4 x 13'-8"	ST 403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	12	2"x 1'-4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9"x .0135"x 13'-11 1/2"	ST 303
	B	4	9" x .0135 x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/8" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

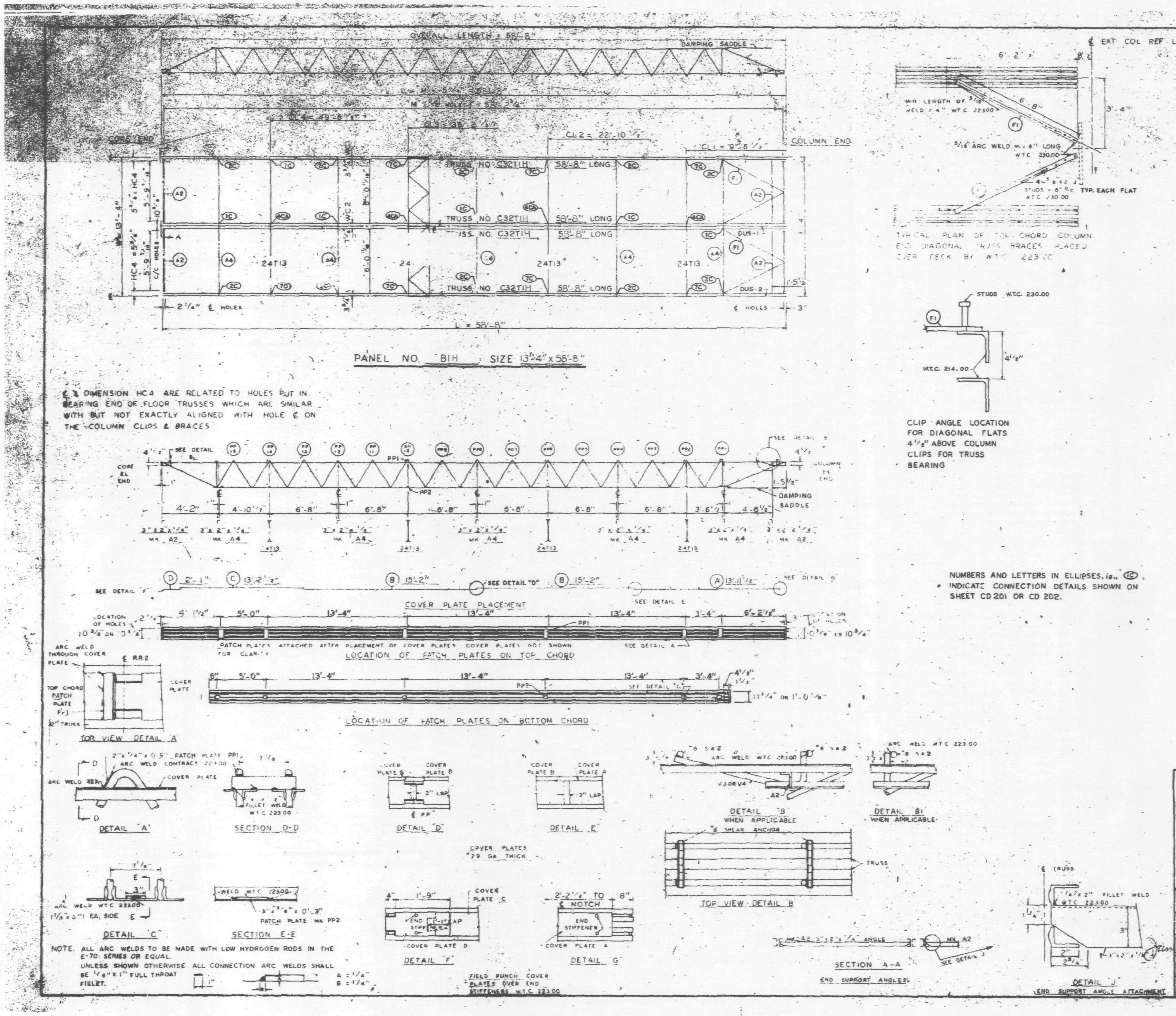
NO.	DATE	REVISION	BY

REF. DRWG
7 AB4 42 — 4-1-68
A 124 — 10-20-67

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 N
PANEL B1D 13'-4" x 59'-5"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 10/23/68
DRAWN BY — DATE OCT 15, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURN DATE OCT 15, 1968
IN CHARGE OF
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. WTC 221
SHEET / NO FP B1D



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	(4)	C32T1H - 58'-8"	ST201H
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4" x 13'-8"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NUMBERS AND LETTERS IN ELLIPSES, ie., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD201 OR CD202.

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-J,3,1&39	1-3-68
7-AB4-15&16	5-6-68
7-AB4-42	4-1-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-5-68
7-AB2-8	2-15-68

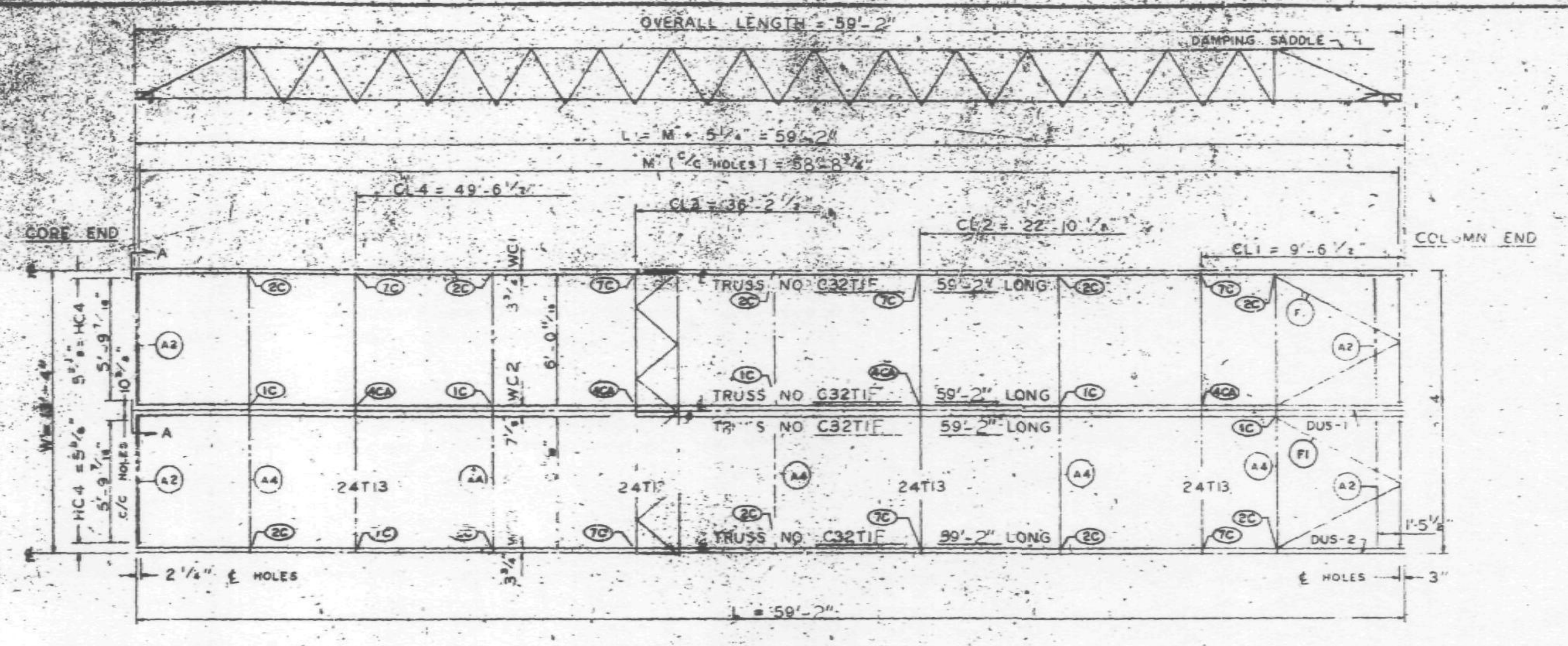
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A - FLOORS 79-80(N)

PANEL B1H - 13'-4" x 58'-8"

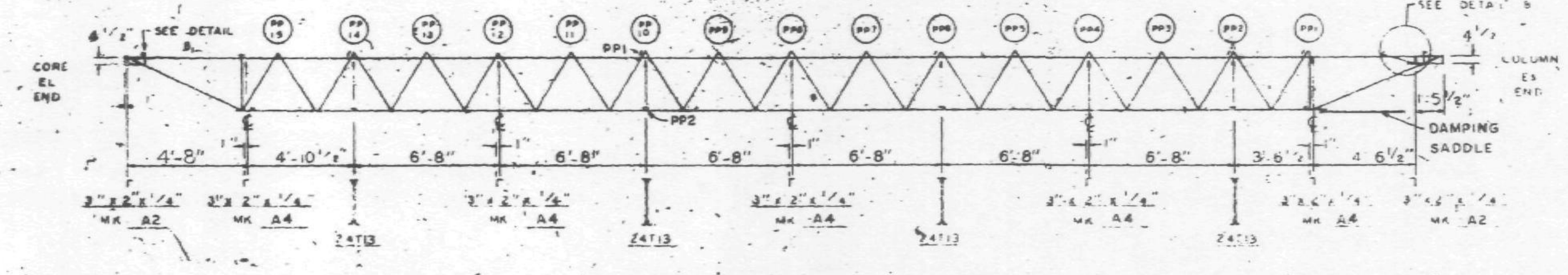
FABRICATION BY LACLEDE STEEL COMPANY

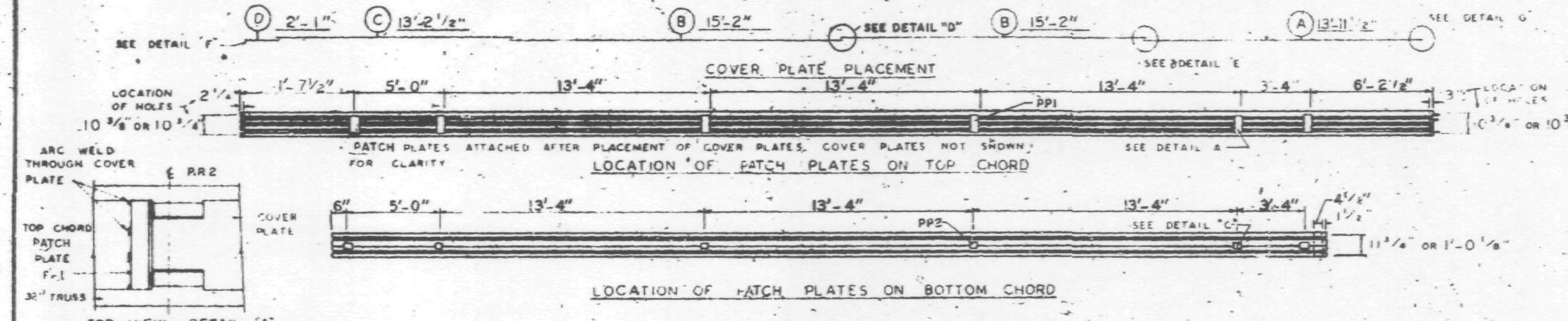
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 10/23/68	DRAWN BY [illegible] DATE OCT. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY [illegible] DATE OCT. [illegible], 1968 IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER	FABRICATION CONT. NO. W.T.C. 221 SHEET NO. FP B1

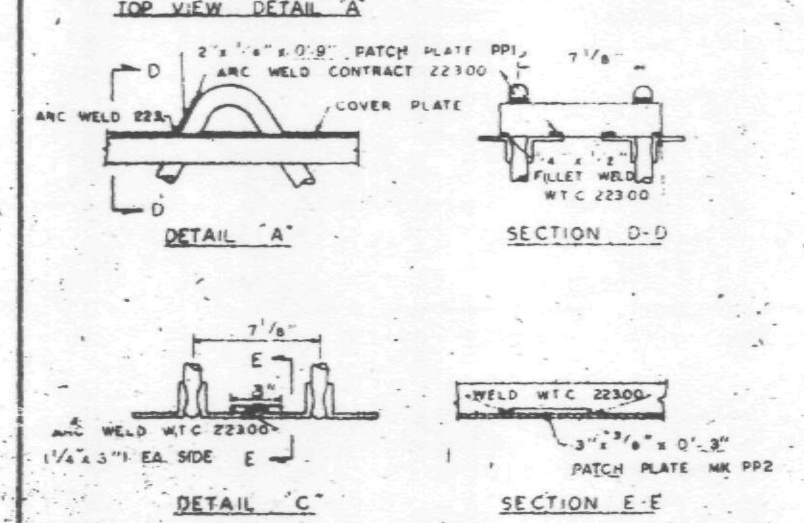


PANEL NO. B1F SIZE 13'-4" x 59'-2"

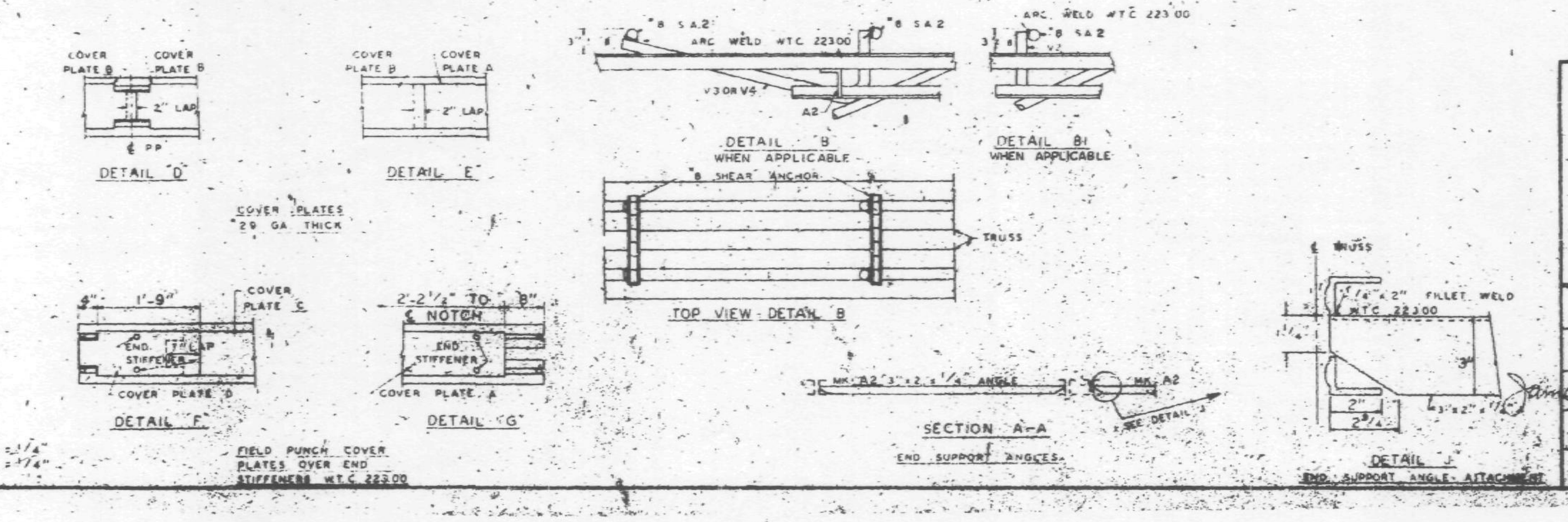
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

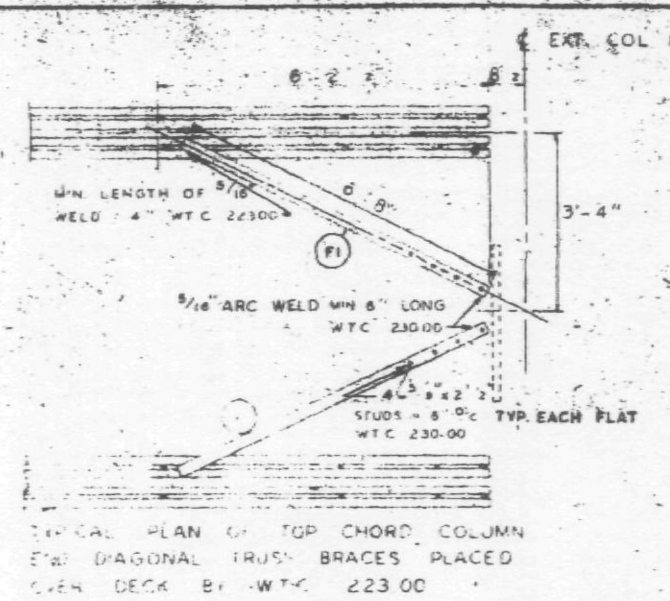


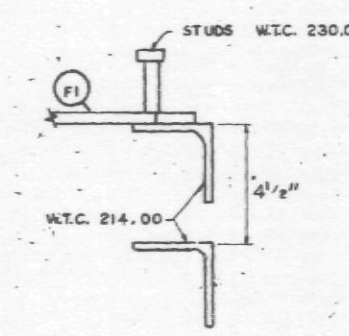




NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" X 1" FULL THROAT FILLET.
A = 1/4"
B = 1/4"







CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1F	4	C32T1F - 59'-2"	ST 201F
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4 x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST 303
	B	4	9"x.0135"x15'-2"	ST 303
	C	2	9"x.0135"x13'-2 1/2"	ST 303
	D	2	9"x.0135"x2'-1"	ST 303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPIN SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1"⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

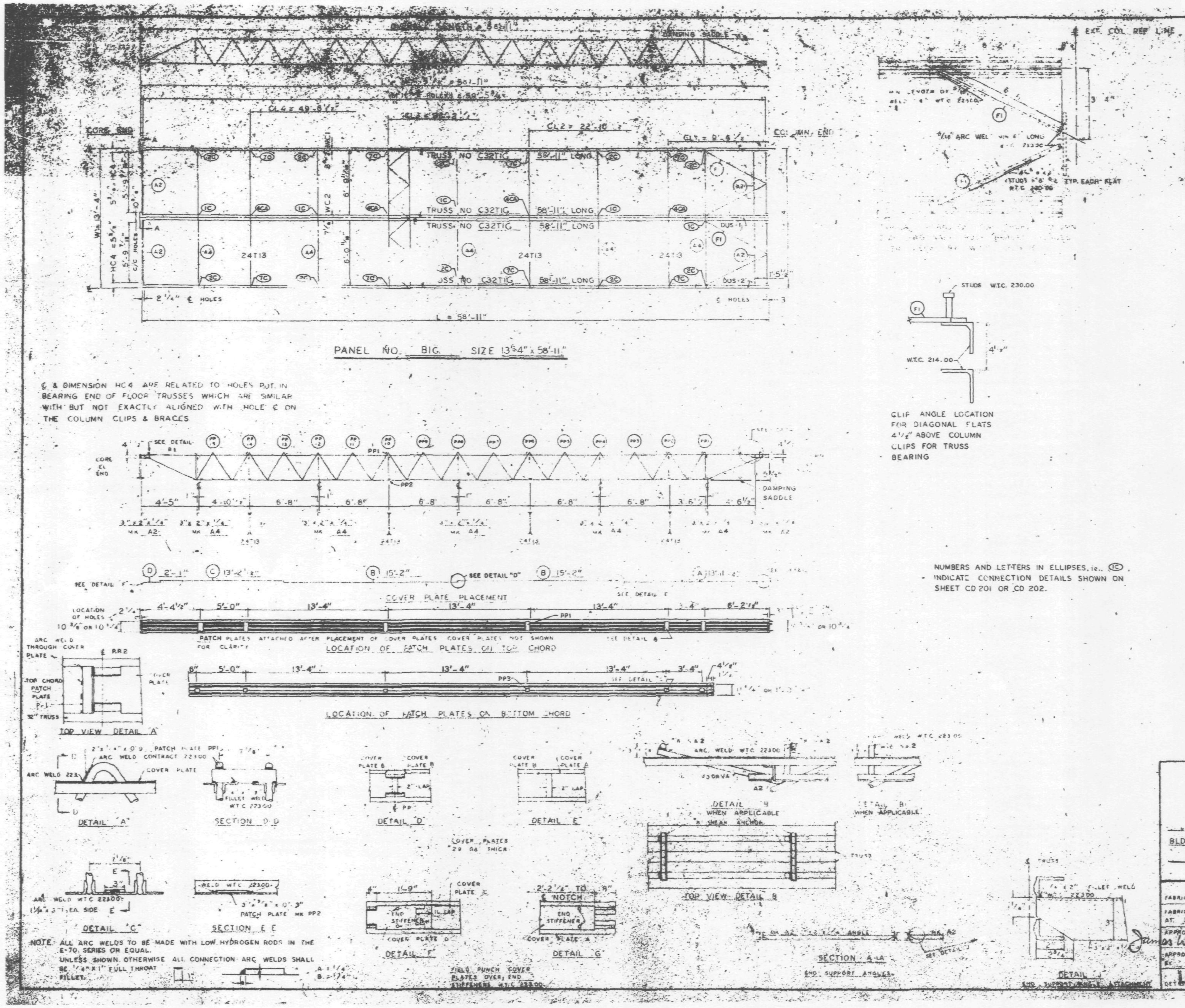
NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3,3,1 & 39	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-42	4-1-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48(S) + 47-48, 70-71(N)
PANEL B1F - 13'-4" x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE	
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 10/23/68	DRAWN BY [illegible] DATE OCT. 15, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHUP DATE OCT. 15, 1968	IN CHARGE OF [illegible]
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. B1F



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	4	C32T1G - 58'-11"	ST 201G
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT 213
3"x2"x1/4" ANGLE	A8	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	12	8"x1/4"x 0'-8"	ST 400
	PP2	12	3"x 5/8"x 0'-3"	ST 400
[illegible] PLATES	A	2	[illegible] x .0135" x 13'-11 1/2"	ST 303
	B	1	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x 3 1/2"x 3/8"x 3'-3 7/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

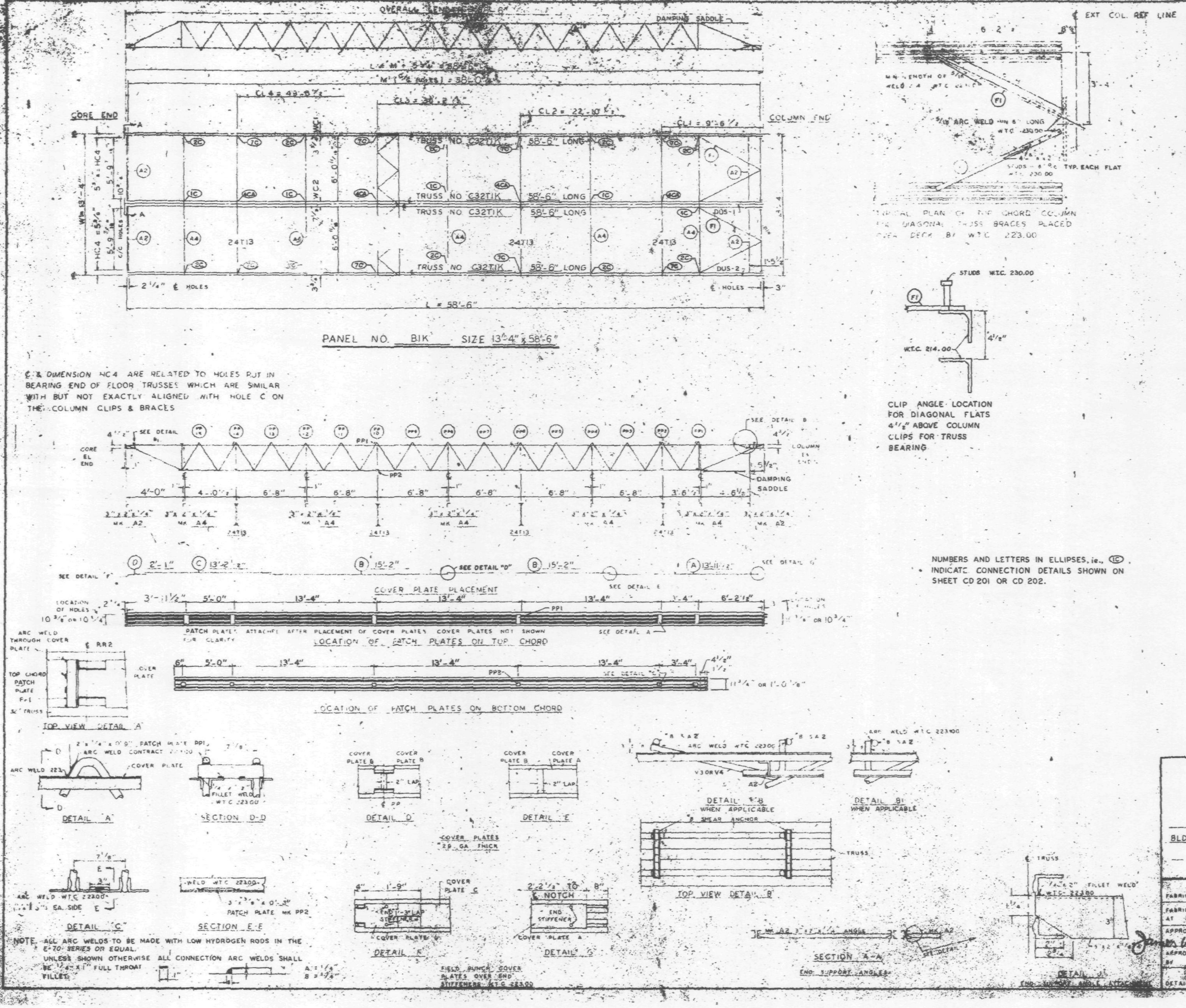
NO.	DATE	REVISION	BY

REF. DRWGS
- 7-AB4 [illegible] 1-3-68
- 7-AB4 [illegible] 6-6-68
- 7-AB4 42 4-1-68
- SA 124 10-20-67
- 7-AB3 2 1-3-68
- 7-AB1 2 2-5-68
- 7-AB2 5 2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (NORTH & SOUTH)
PANEL B1G - 13'-4" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A. DATE 10/23/68
DRAWN BY [illegible] DATE OCT. 15, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. [illegible] DATE OCT. 15, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B1G



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	SHOP DRWG
FLOOR TRUSSES	1K	4	C32T1K - 58'-6"	[illegible]
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST403
DIAGONAL FLATS	F1	2	1 1/2" x 5/8" x 8'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-3 7/8"	ST298
CONNECTION BAR	CB1	4	1" # x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

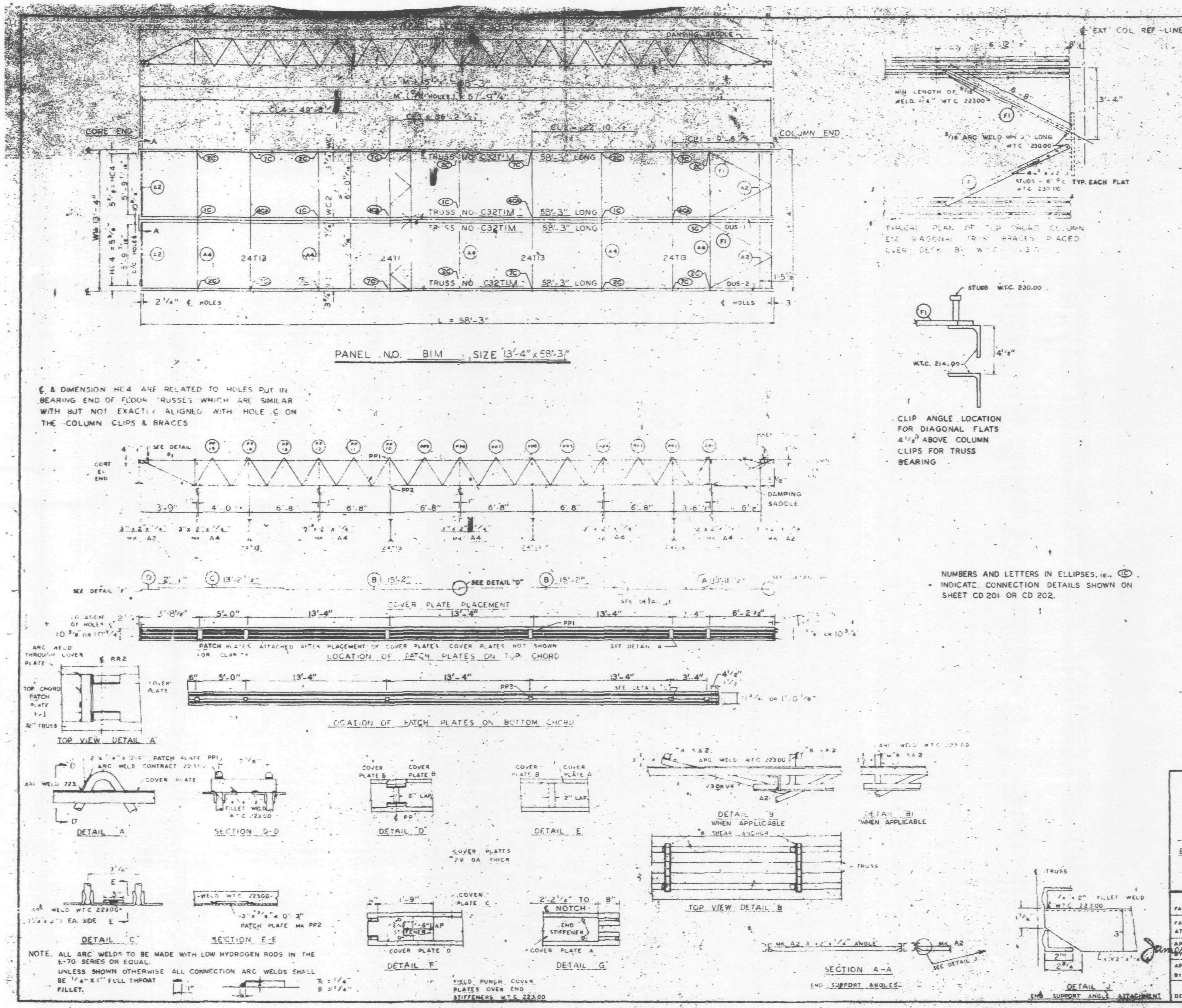
NO.	DATE	REVISION	BY

REF DRWG.
7-AB4-33,34,30 — 1-4-68
7-AB4-15,8,9 — 5-6-68
7-AB4-42 — 4-1-68
SA-174 — 10-20-67
7-AB3-2 — 1-1-68
7-AB1-2 — 2-6-68
7-AB2-0 — 2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-46(S) + 46(N)
PANEL B1K - 13'-4" x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. — DATE 10/23/68
DRAWN BY — DATE OCT 1 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY I.M. CH[illegible] — DATE OCT 1 1968 — IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221 — SHEET NO FP-B1K



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES

NUMBERS AND LETTERS IN ELLIPSES, ie., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1M	4	C32T1M - 58'-3"	ST201M
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x [illegible]-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x2'-1	ST303
ANGLE CLIPS	C1	16	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-[illegible]	ST400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"⌀ x 1'-3"	ST400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x6 1/2"	ST400
	P2	4	4 1/2"x.39"x0'-9"	ST400
	P3	4	4 1/2"x.39"x1'-0"	ST400

NO.	DATE	REVISION	BY

REF DRWG

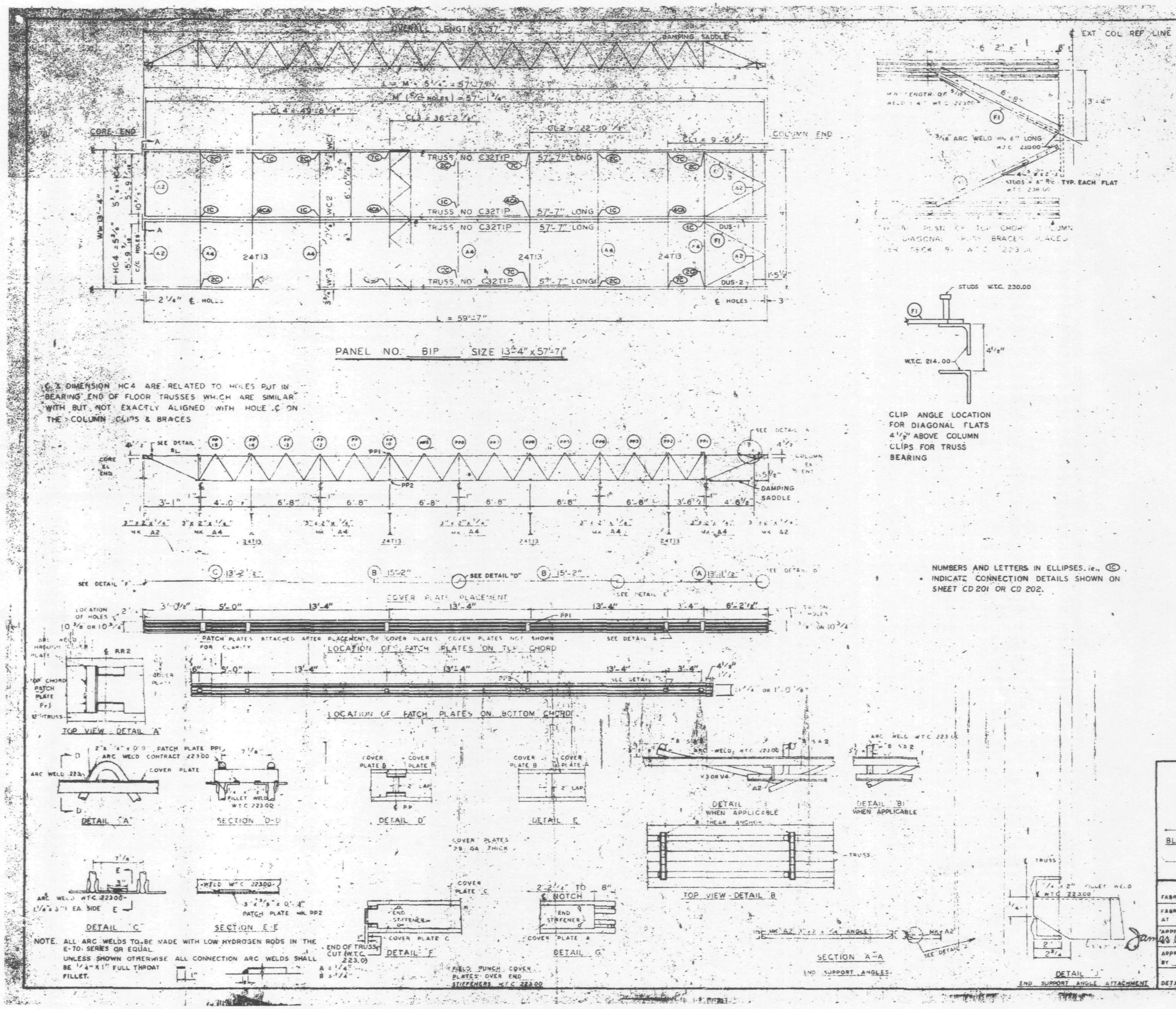
7-AB4-13	1-3-68
7-AB4-15&16	5-6-68
7-AB4-42	4-1-68
[illegible]-24	11-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-B	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 72-73 N

PANEL B1M - 13'-4" x 58'-3"

FABRICATION BY LACLEDE STEEL COMPANY		
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-5 4-1-68 PLATE 2	
APPROVED FOR FABRICATION BY James White FOR PONYA — DATE 10/23/68	DRAWN BY [illegible] DATE OCT. 15, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE	CHECKED BY [illegible] DATE OCT. 15, 1968	IN CHARGE OF PROD. ENG.
DETAILED BY A.C. WEBER (stamp: LACLEDE STEEL CO.)	FABRICATION CONT NO. W.T.C. 221	SHEET NO FP B1M



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1P	4	C32T1 - 57'-7"	ST201P
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3" x 2" x 1/4" ANGLE	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST403
	A4	5	3" x 2" x 1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST295
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST295
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

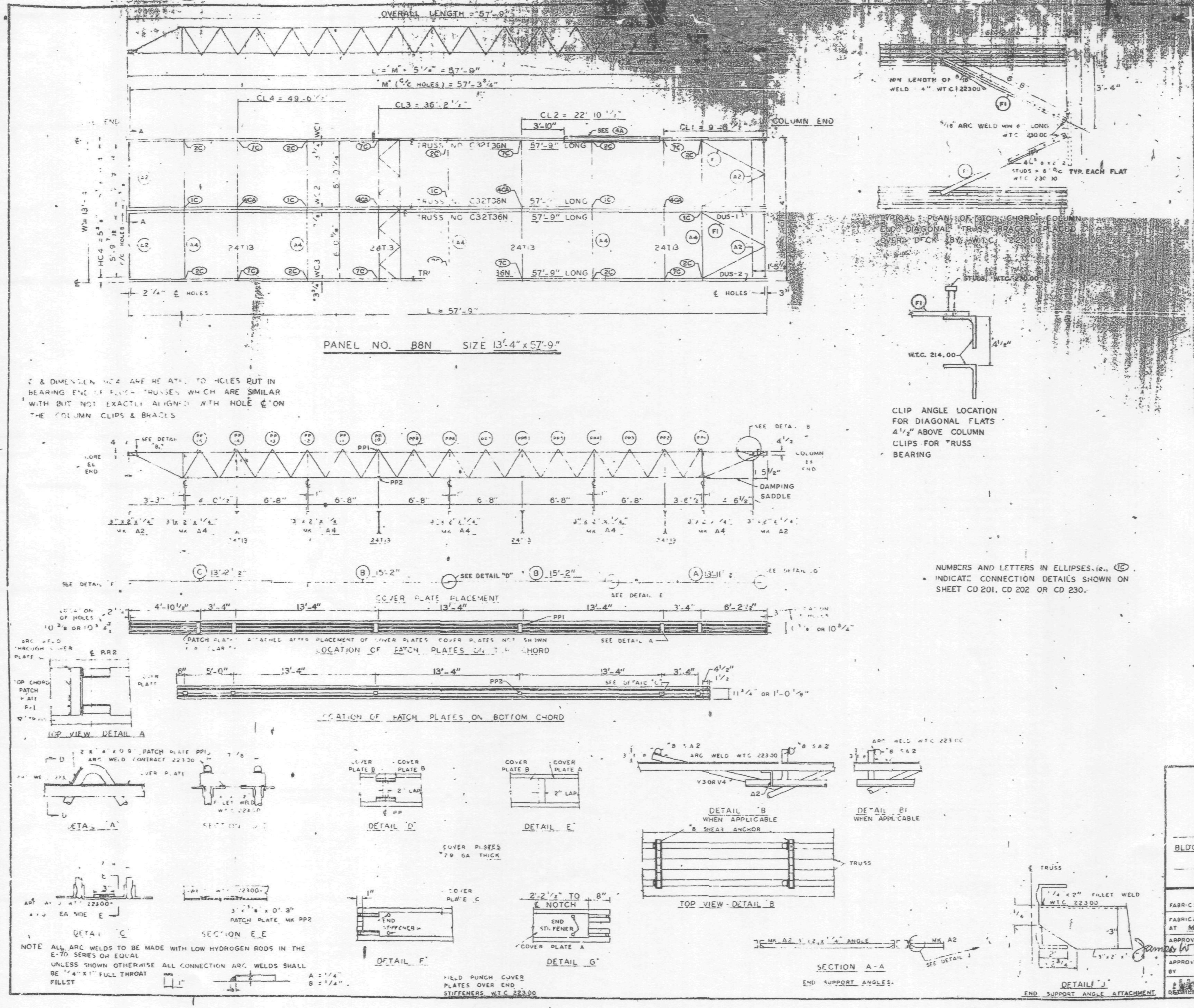
REF DRWG
7-AB4 33,14 & 39 — 4-1-68
7-AB4 15 & 16 — 4-1-68
7-AB4 42 — 4-1-68
SK 124 — 10-20-67
7-AB3 2 — 3-68
7-AB1-2 — 5-68
7-AB2 8 — 5-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 74(N)

PANEL BIP - 13'-4" x 57'-7"

FABRICATION BY LACLEDE STEEL COMPANY	
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB5-5 4-1-68 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. James White — DATE 10/23/68	DRAWN BY — DATE OCT 15, 1968
APPROVED FOR FABRICATION BY FOR LACLEDE STEEL CO. — DATE	CHECKED BY T.M.CHURA — DATE OCT 15, 1968 — IN CHARGE OF PRCD. DEV.
DETAILED BY A.C. WEBER	FABRICATION CONT. NO. W.T.C. 221 — SHEET NO. FP BIP



[illegible] MATERIAL PER PANEL				REF DRWG
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T36N	4	C32T36N - 57'-9	ST 236N
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	ST 213
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4 x 13'-3"	ST 403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x8'-6"	ST 402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	[illegible]	2	[illegible] x .0135" x 13'-11 1/2"	ST 303
	[illegible]	4	[illegible] x .0135" x 15'-2"	ST 303
	C	2	[illegible] x .0135" x 13'-2 1/2"	ST 303
ANGLE CLIPS	CL	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-5 7/8"	ST 298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1 1/4" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-(5,16,39 & 41)	7-22-68
7-AB4-31	1-3-68
SA 24	1-6-69
7-AB3-34	1-6-69
7-AB1-32	1-6-69
7-AB4-8	7-22-68

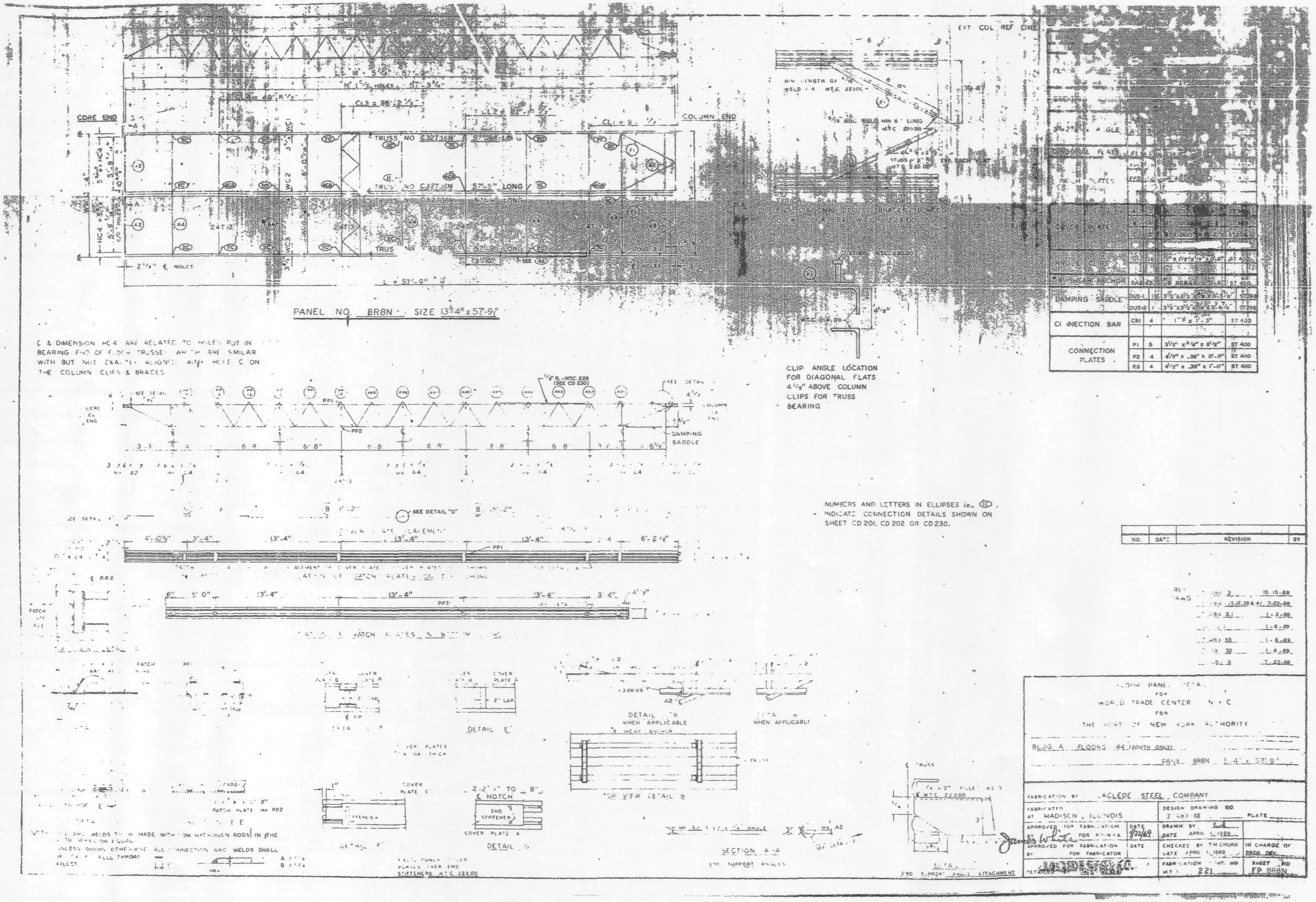
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 44 (SOUTH ONLY)

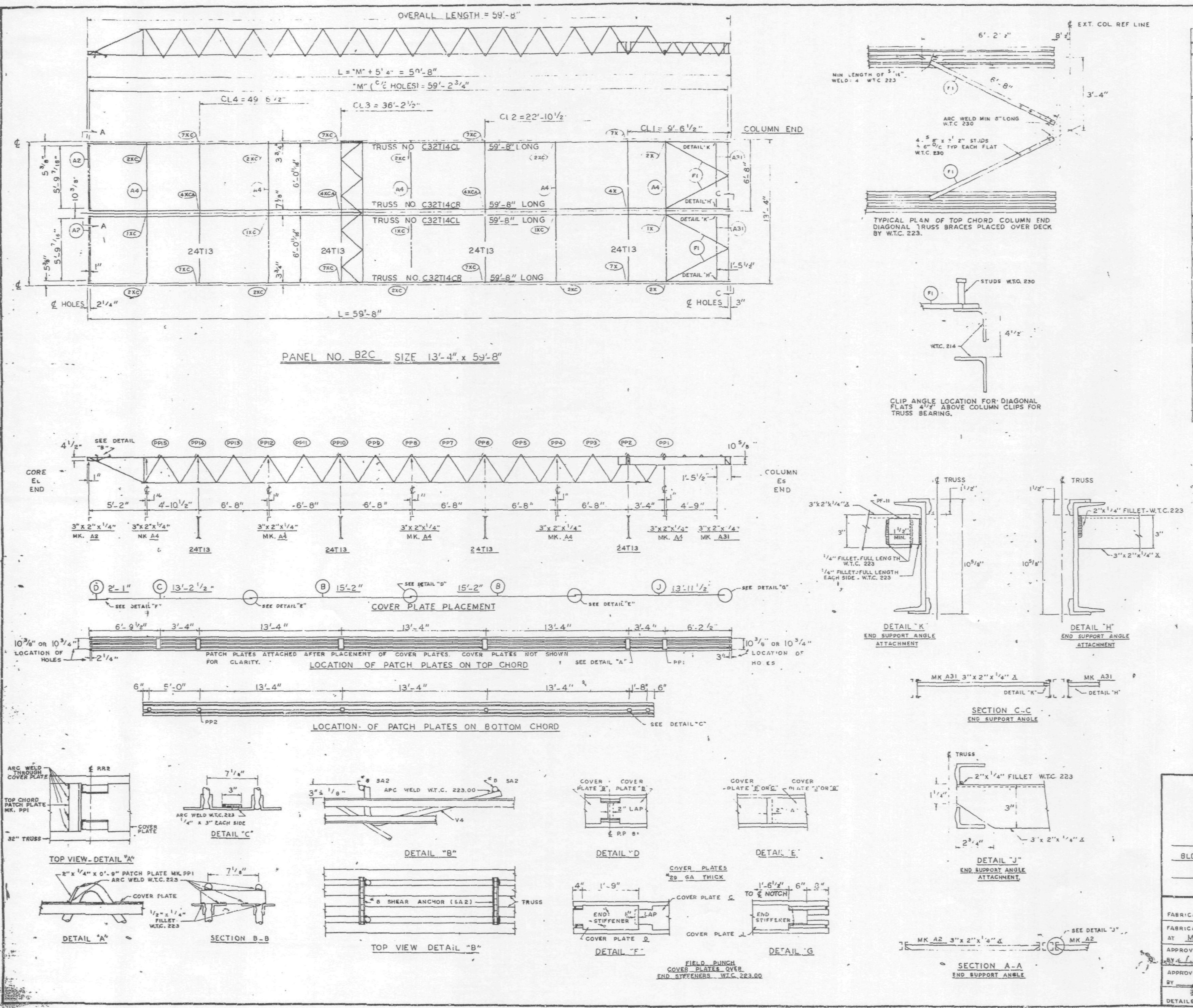
PANEL B8N - 13'-4" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-54	PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 4/22/69	DRAWN BY [illegible] DATE APRIL 1, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 1, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.		FABRICATION CONT NO W.T.C. 221	SHEET NO FP B8N



CORE END
COLUMN END
EXT COL REF LINE
TRUSS NO C32T36N 57'-9" LONG
24T13
PANEL NO BR8N SIZE 13'-4" x 57'-9"
L = 57'-9"
2 1/4" ℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES
TYPICAL PLAN OF FLOOR CHORD CONN. END DIAGONAL TRUSS BRACES PLACED
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
DAMPING SADDLE
SEE DETAIL "D"
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS | CL | 16 | 2" x 1 1/2" x 1/4" x 0'-6" | ST 400
SHEAR ANCHOR | SA2 | 16 | #8 REBAR x 0'-9" | ST 400
DAMPING SADDLE | DUS-1 | | 3 1/2" x 3 1/2" | ST298
DUS-2 | | 3 1/2" x 3 1/2" | ST298
CONNECTION BAR | CB1 | 4 | 1" x 1'-3" | ST 400
CONNECTION PLATES | P1 | 5 | 3 1/2" x 3/8" x 8 1/2" | ST 400
P2 | 4 | 4 1/2" x .30" x 0'-9" | ST 400
P3 | 4 | 4 1/2" x .30" x 1'-0" | ST 400
NUMBERS AND LETTERS IN ELLIPSES ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 230.
NO. | DATE | REVISION | BY
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
TOP VIEW DETAIL "B"
SECTION A-A
DETAIL "G"
COVER PLATE A
END STIFFENER
2" LAP
FLOOR PANEL DETAIL FOR WORLD TRADE CENTER N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 44 (SOUTH ONLY)
PANEL BR8N 13'-4" x 57'-9"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 483-55
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 4/22/69
APPROVED FOR FABRICATION BY FOR FABRICATOR
DRAWN BY DATE APRIL 1, 1969
CHECKED BY TM CHURA DATE APRIL 1, 1969
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP BR8N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-5"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	ST 213
3"x 2"x 1/4" ANGLE	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A4	5	3"x 2"x 1/4"x 13'-3"	ST 403
	A31	2	3"x 2"x 1/4"x 5'-[illegible]	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
	P9	4	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie.. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1"

NO.	DATE	REVISION	BY

REF. DRWG.

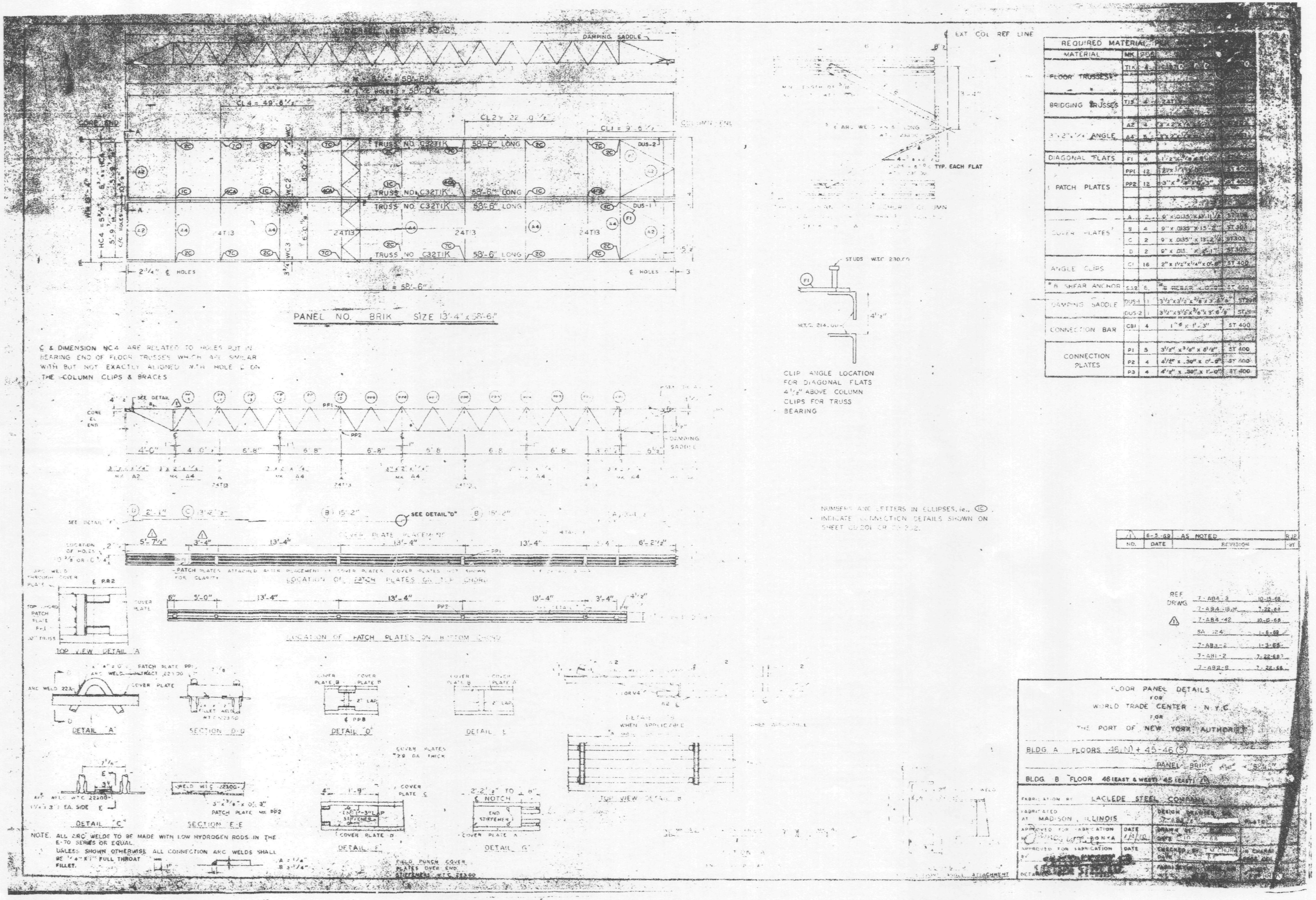
7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

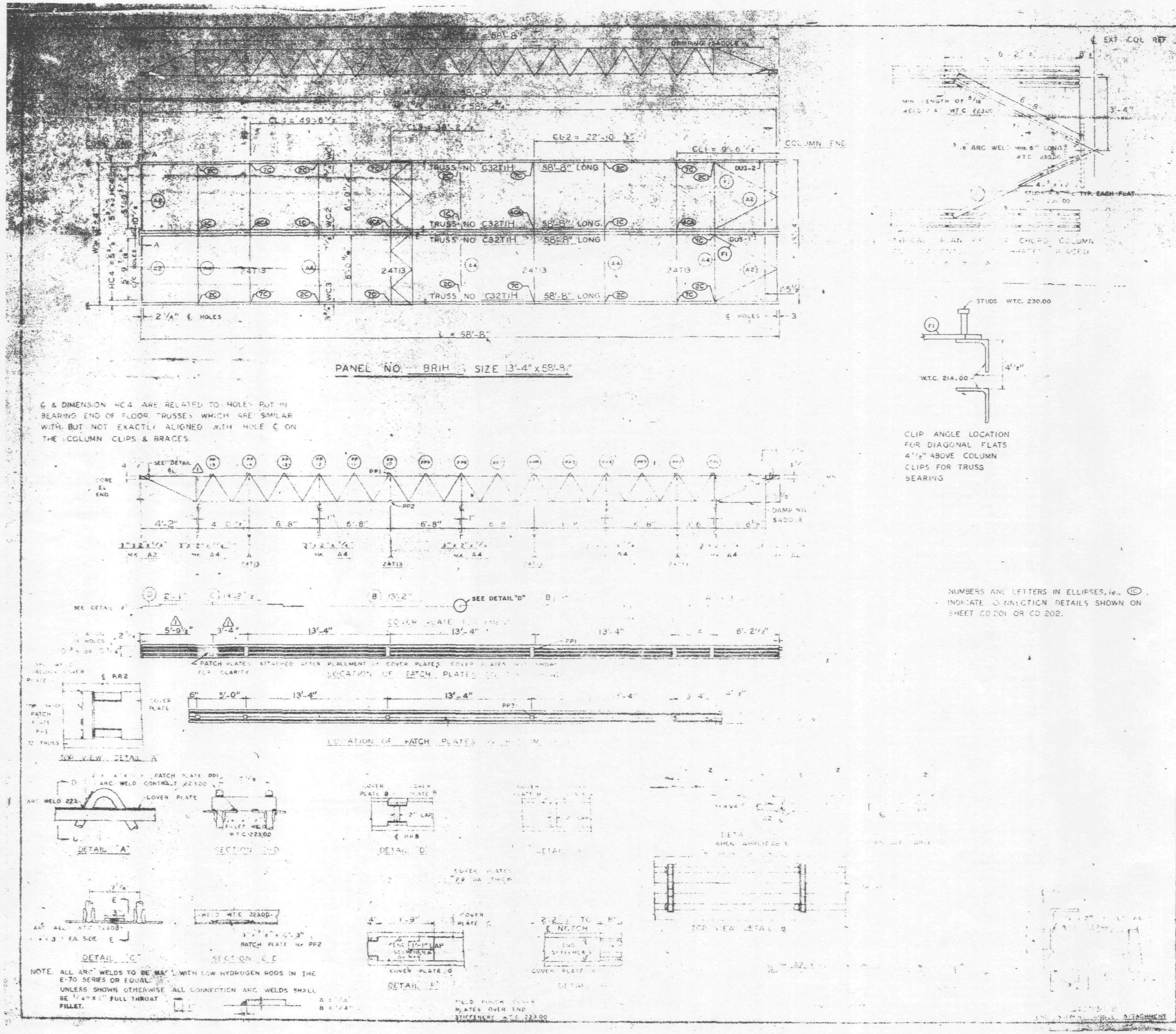
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL B2C-13'-4"x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-26 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [signature] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO FP B2C


DAMPING SADDLE
CL4 = 49'-6 1/2"
CL2 = 22'-10 1/2"
CL1 = 9'-6 1/2"
CORE END
COLUMN END
TRUSS NO. C32T1K 58'-6" LONG
DUS-2
DUS-1
24T13
L = 58'-6"
PANEL NO. BRIK SIZE 13'-4" x 58'-6"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES
℄ EXT COL REF LINE
TYP. EACH FLAT
STUDS W.T.C. 230.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
REQUIRED MATERIAL
MATERIAL
MK
FLOOR TRUSSES
T1K
BRIDGING TRUSSES
T13
3" x 2" x 1/4" ANGLE
A2
A4
DIAGONAL FLATS
F1
PATCH PLATES
PP1 12
PP2 12
COVER PLATES
A 2 9" x .0135" x 13'-11 1/2"
B 4 9" x .0135" x 15'-2" ST 303
C 2 9" x .0135" x 13'-2 1/2" ST303
D 2
ANGLE CLIPS
C1 16 2" x 1 1/2" x 1/4" ST 400
#8 SHEAR ANCHOR
SA2 6
DAMPING SADDLE
DUS-1 1
DUS-2 1
CONNECTION BAR
CB1 4 1" ϕ x 1'-3" ST 400
CONNECTION PLATES
P1 5 3 1/2" x 3/8" x 8 1/2" ST 400
P2 4
P3 4
SEE DETAIL "D"
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
NUMBERS AND LETTERS IN ELLIPSES, i.e., ⓒ INDICATE CONNECTION DETAILS SHOWN ON SHEET
1 6-5-69 AS NOTED
NO. DATE REVISION
REF DRWG
7-AB4-42 10-6-68
SA 124 1-6-69
7-AB3-2 1-3-69
7-AB1-2 7-22-68
7-AB2-8 7-22-68
TOP VIEW DETAIL A
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "C"
SECTION E-E
DETAIL "F"
DETAIL "G"
TOP VIEW DETAIL B
PATCH PLATE MK PP2
END STIFFENER
NOTCH
COVER PLATE A
COVER PLATE D
NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 46(N) + 45-46(S)
PANEL BRIK
BLDG. B FLOOR 46 (EAST & WEST) 45 (EAST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION
DATE
DESIGN DRAWING NO.
CHECKED BY



REQUIRED MATERIAL				
MATERIAL	MK	PCS		
FLOOR TRUSSES	T1H	[illegible]	[illegible]	
BRIDGING TRUSSES	T1B	[illegible]	[illegible]	
3" x 2" x ¼" ANGLE	A2	[illegible]	[illegible]	
	A4	6	[illegible]	
DIAGONAL FLATS	F1	[illegible]	[illegible]	
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	[illegible]	ST 400
COVER PLATES	A	[illegible]	[illegible]	[illegible]
	B	4	9" x .0135" x 13'-2"	ST303
	C	2	9" x .0135" x 13'-2"	ST303
	D	2	[illegible]	ST303
ANGLE CLIPS	C1	16	2" x 1½" x ¼" - 0'-[illegible]"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x [illegible]	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	ST298
	DUS-2	1	3½" x 3½" x ⅜" x [illegible]	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	4	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION
1	6-5-69	AS NOTED

REF DRWG

7-AB4-3	10-15-68
7-AB4-15	1-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-2	3-68
7-AB1-2	7-22-68
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 79-80(N)

PANEL BRIH - 13'-4" x 58'-8"

BLDG. B FLOORS 79-80 (WEST)

LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-6

APPROVED FOR FABRICATION BY — DATE 1/9/70

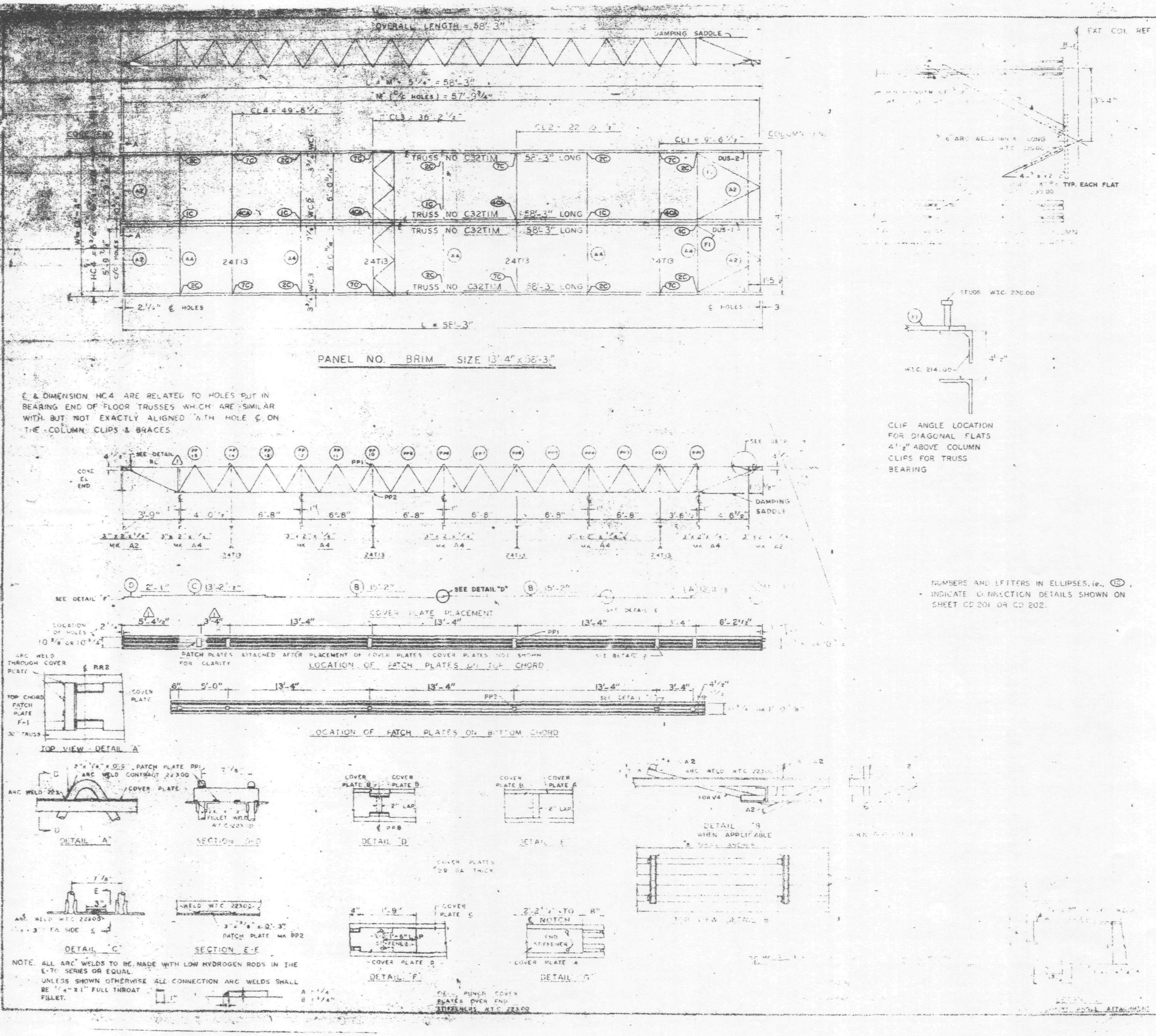
DRAWN BY — DATE 10-22-68

APPROVED FOR FABRICATION BY — FOR FABRICATOR — DATE

CHECKED BY T.M. CHURA — DATE 10-22-68

DETAILED BY A.C. WEBER

SHEET 8RI(H)



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1M	4	[illegible]	[illegible]
BRIDGING TRUSSES	T13	4	24T13 [illegible]	[illegible]
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4" [illegible]	ST 303
	A4	5	3"x2"x [illegible]	[illegible]
DIAGONAL FLATS	F1	4	1 1/2" x [illegible]	[illegible]
PATCH PLATES	PP1	12	[illegible]	ST 400
	PP2	12	8" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	2	9" x .0135" x [illegible]	[illegible]
	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	[illegible]	[illegible]
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	6	4 1/2" x .30" x 0'-8"	ST 200
	P3	4	4 1/2" x .30" x 1'-0"	ST 400

1	6-5-69	AS NOTED
NO.	DATE	REVISION

REF. DRWG.

7-AB4-3	10-15-68
7-AB4-16	7-22-69
7-AB4-42	10-15-68
5A-224	1-6-69
7-AB3-2	11-8-68
7-AB1-2	7-22-68
7-AB2-19	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 72-73 (N)

PANEL BRIM 13'-4" x 58'-3"

BLDG. B FLOORS 72-73 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-[illegible]

APPROVED FOR FABRICATION BY [illegible] FOR PONYA — DATE 1/2/70

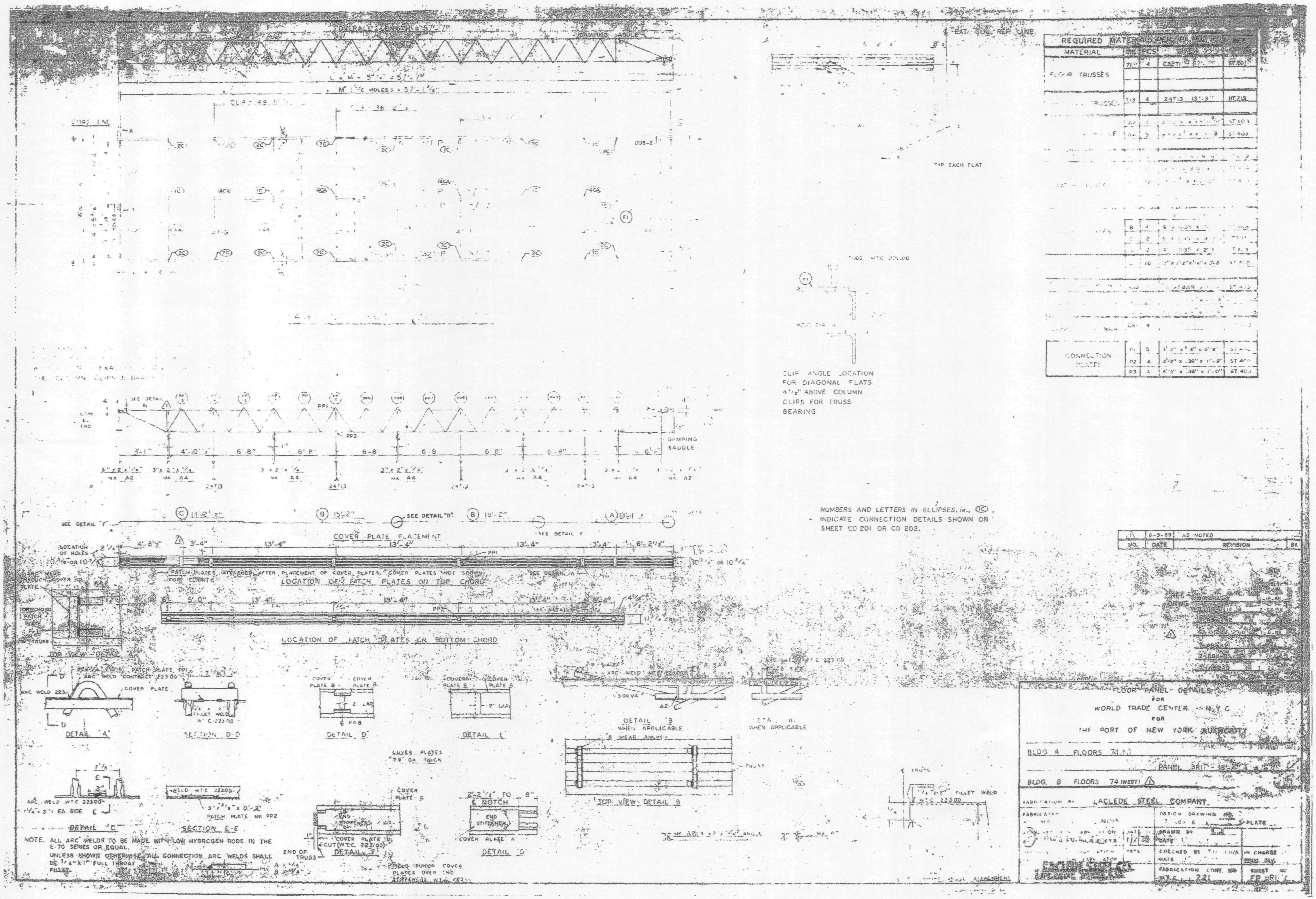
DRAWN BY [illegible] DATE 10-22-68

APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE

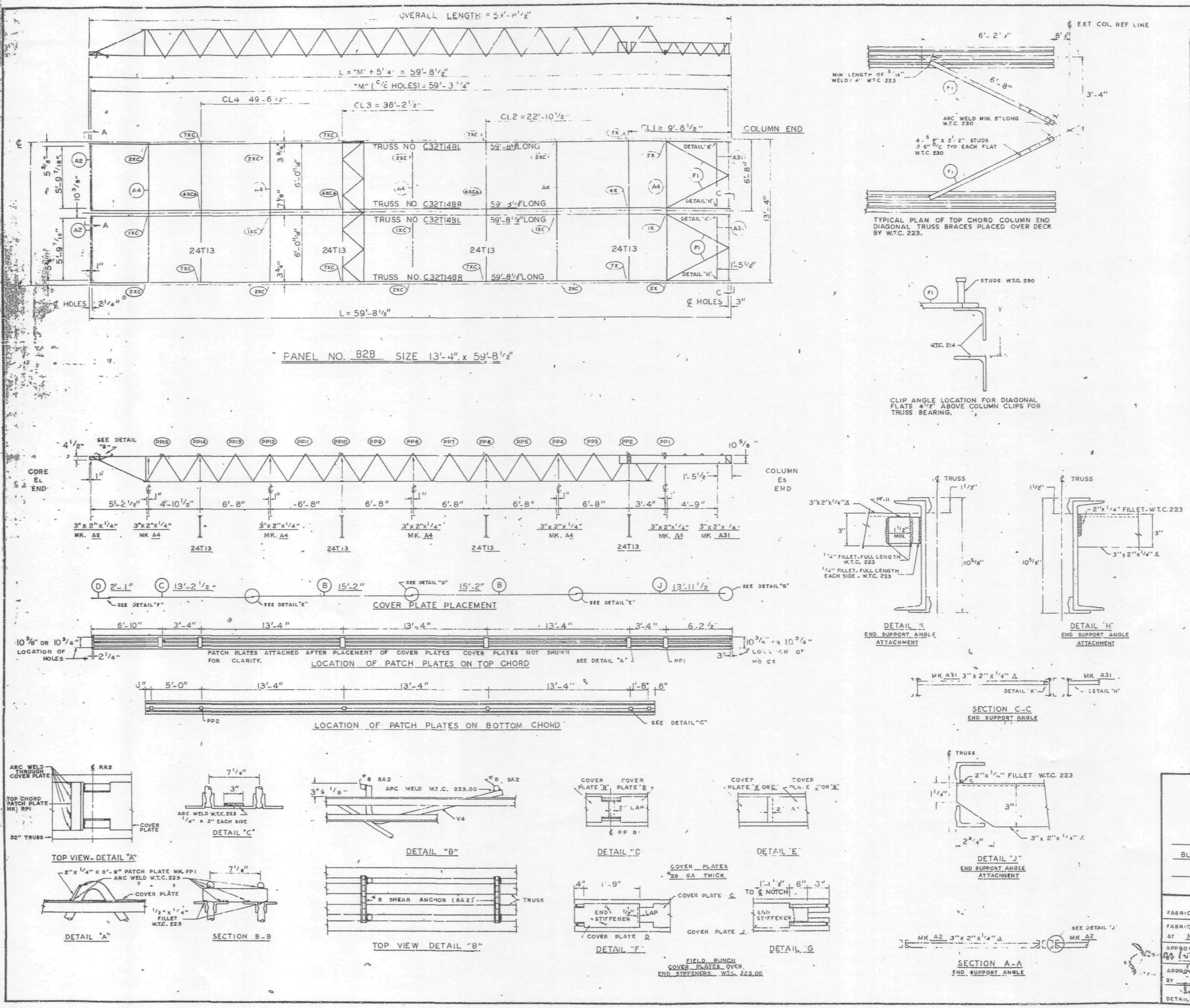
CHECKED BY T.M. CHURA — DATE 10-22-68

DETAILED BY [illegible] WEBER

FABRICATION [illegible] W.T.C. [illegible] — BRI



OVERALL LENGTH = 57'-7"
DAMPING SADDLE
EXT. COL. REF. LINE
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
CONNECTION PLATES
TYP EACH FLAT
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
NUMBERS AND LETTERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.
6-5-69 AS NOTED
NO. DATE REVISION BY
CORE END
DAMPING SADDLE
SEE DETAIL "D"
COVER PLATE PLACEMENT
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES, COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL
COVER PLATE
ARC WELD
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
COVER PLATES 22 GA THICK
TOP VIEW DETAIL B
DETAIL "C"
SECTION E-E
PATCH PLATE MK PP2
END STIFFENER
DETAIL "F"
NOTCH
DETAIL "G"
END OF TRUSS
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FULL THROAT FILLET.
FIELD PUNCH COVER PLATES OVER END STIFFENERS
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)
LACLEDE STEEL COMPANY
DESIGN DRAWING
DRAWN BY
CHECKED BY
FABRICATION CONT. NO.
SHEET NO.



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14BL	2	C32T14BL x 59'-8 1/2"	ST 2148L
	T14BR	2	C32T14BR x 59'-8 1/2"	ST 2148L
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	BT 213
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A4	5	[illegible]	ST 403
	A31	2	3"x2"x1/4"x 5'-8"	ST 410
CLOSURE PLATES		2	3"x1/4" x [illegible]	ST 412
DIAGONAL FLATS	F	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1		2"x1/4"x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

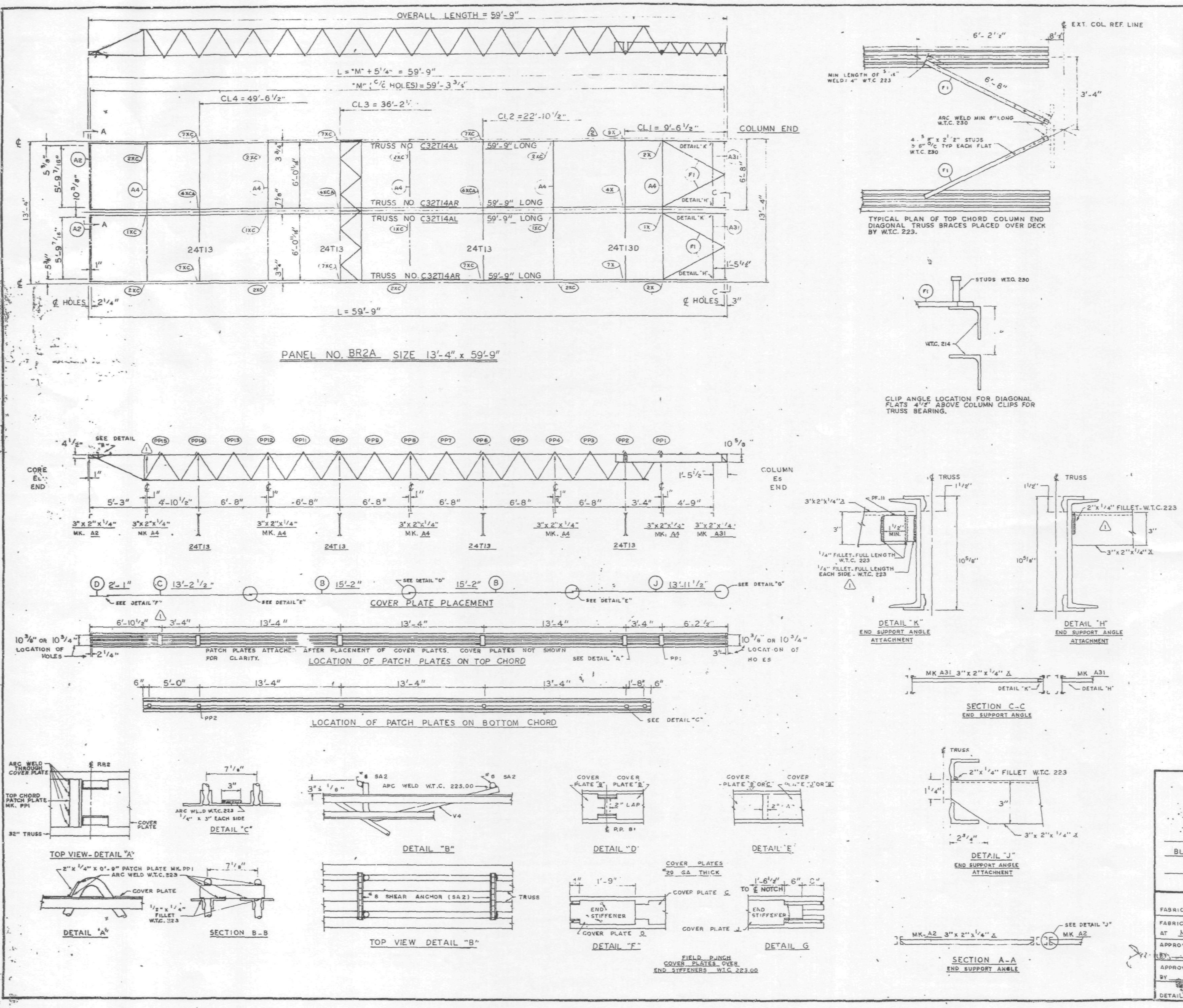
7-AB3-25	10-4-68
7-AB1-13	10-4-68
7-AB2-6	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL B2B-13'-4"x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-26 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE 6/6/69
DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP B2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13		24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x 13'-3"	ST 403
	A31	2	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES (2)	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	3	4 1/2"x .39"x 0'-9"	ST 400
	P3	3	4 1/2"x .39"x 1'-0"	ST 400
	P9	4	3"x 1/2"x 1'-2"	ST 409
	P10	1	4 1/2"x .39"x 0'-5"	ST 409
	P11	1	3"x 1/4"x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

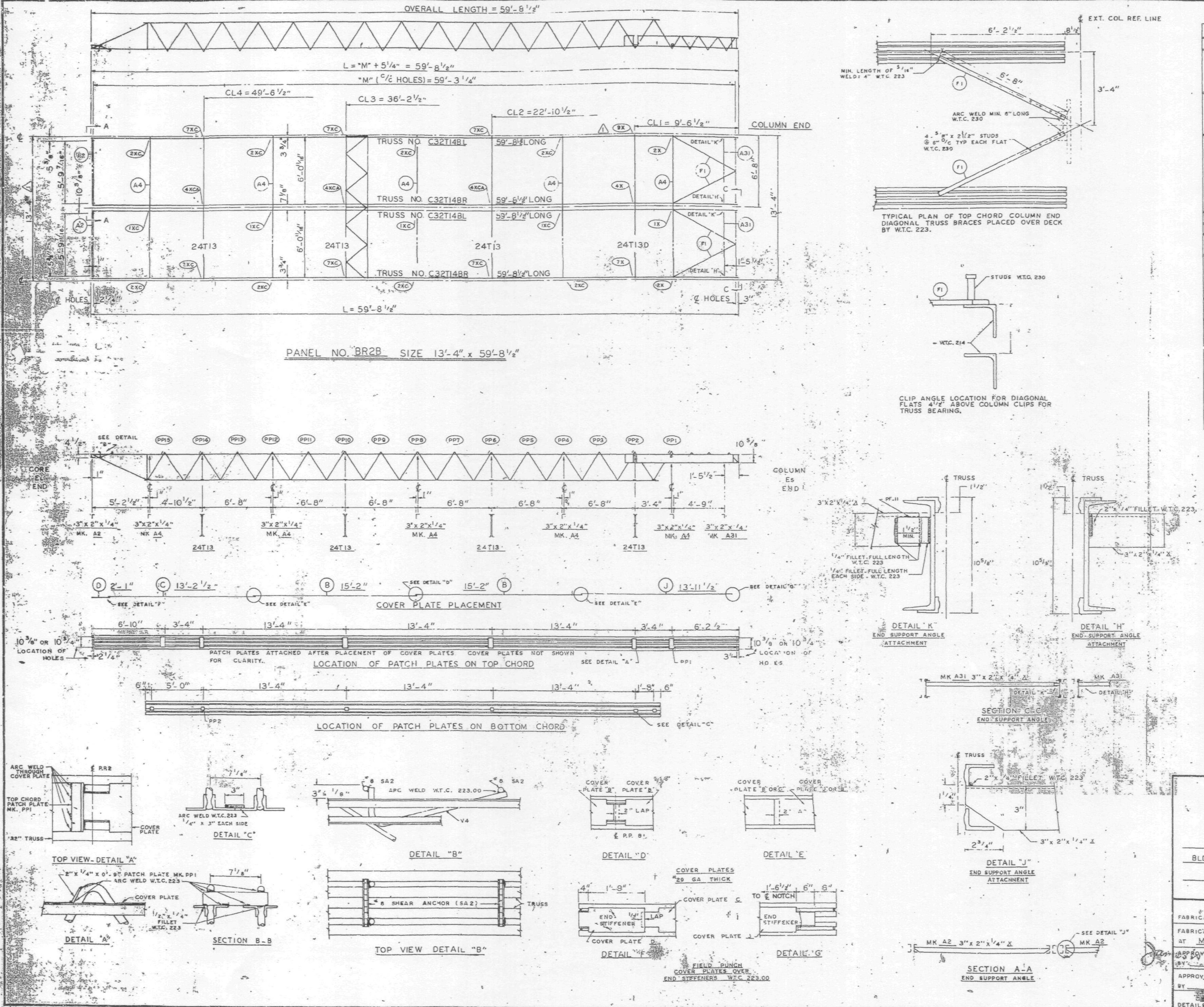
REF DRWG.		
	7-A83-27	10-4-68
	7-A81-13	10-4-68
	7-A82-8	7-22-68
	7-A84-28	7-22-68
	SA-124	10-11-68
	7-A83-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL BR2A-13'-4" x 59'-9" (1)

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-A83-27	PLATE
APPROVED FOR FABRICATION BY ___ FOR P O N Y A	DATE 6/6/69	DRAWN BY ___ DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP BR2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14BL	2	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	2	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x13'-3"	ST 403
	A31	2	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES (1)	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409
	P10	1	4 1/2" x .39" x 0'-5"	ST 409
	P11	1	3" x 1/4" x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie.. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
(1)	5-12-69	AS NOTED	G.D.C.

REF. DRWG.		
	7-AB3-27	10-4-68
	7-AB1-13	10-4-68
	7-AB2-8	7-22-66
	7-AB4-28	7-22-68
	SA-124	10-11-68
	7-AB3-24	8-15-68

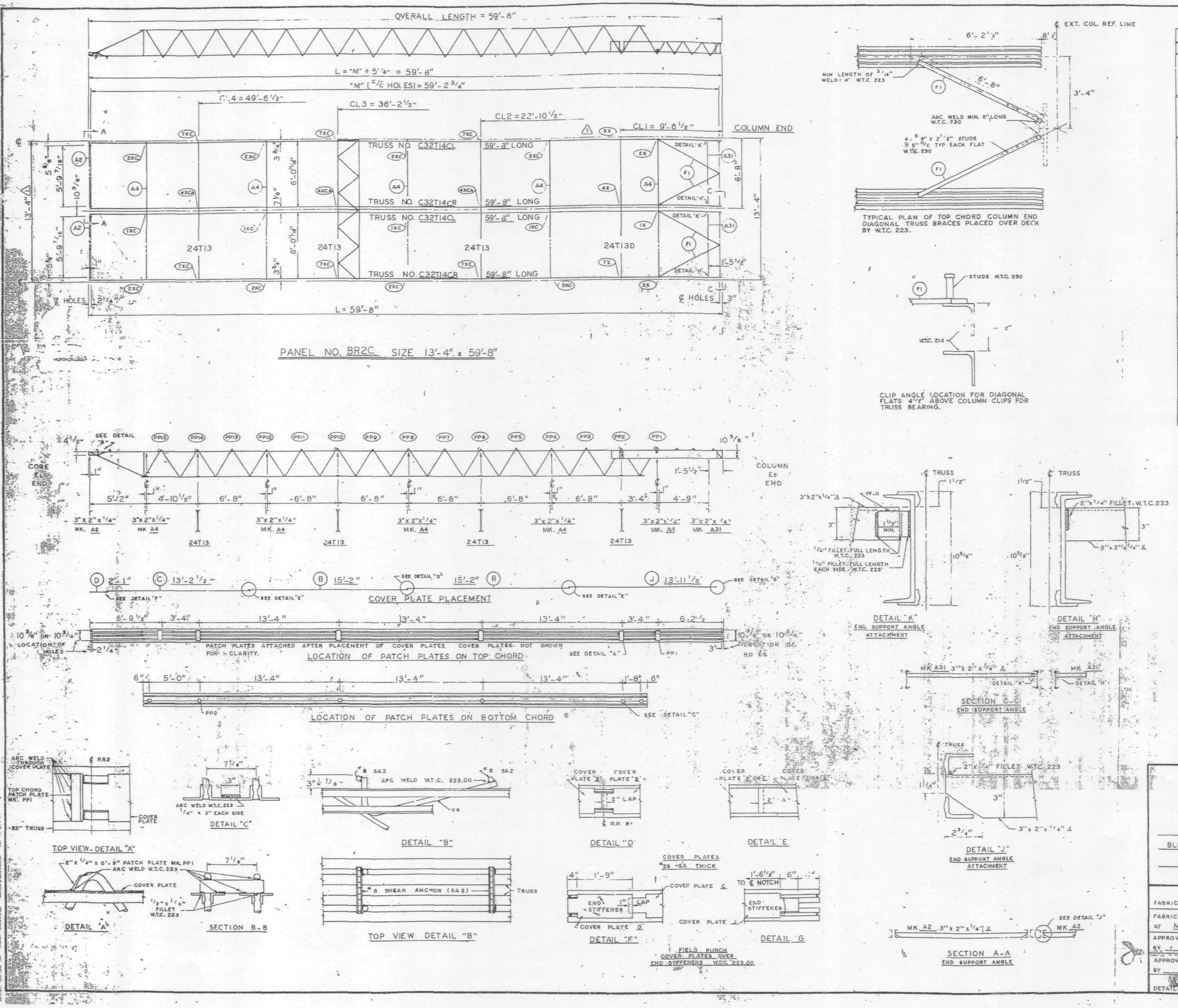
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL BR2B-13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-27	PLATE
APPROVED FOR FABRICATION BY ___ FOR PONYA	DATE 6/6/69	DRAWN BY ___ DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W.T.C. 221	SHEET NO FP BR2B



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x 13'-3"	ST 403
	A31	2	3"x2"x1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER, PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES ⚠1	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3	4 1/2" x .39" x 0'-9"	ST 400
	P3	3	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409
	P10	1	4 1/2" x .39" x 0'-5"	ST 409
	P11	1	3" x 1/4" x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.C.

REF. DRWG.	
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-3	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL BR2C-13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-27 PLATE

APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 6/6/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

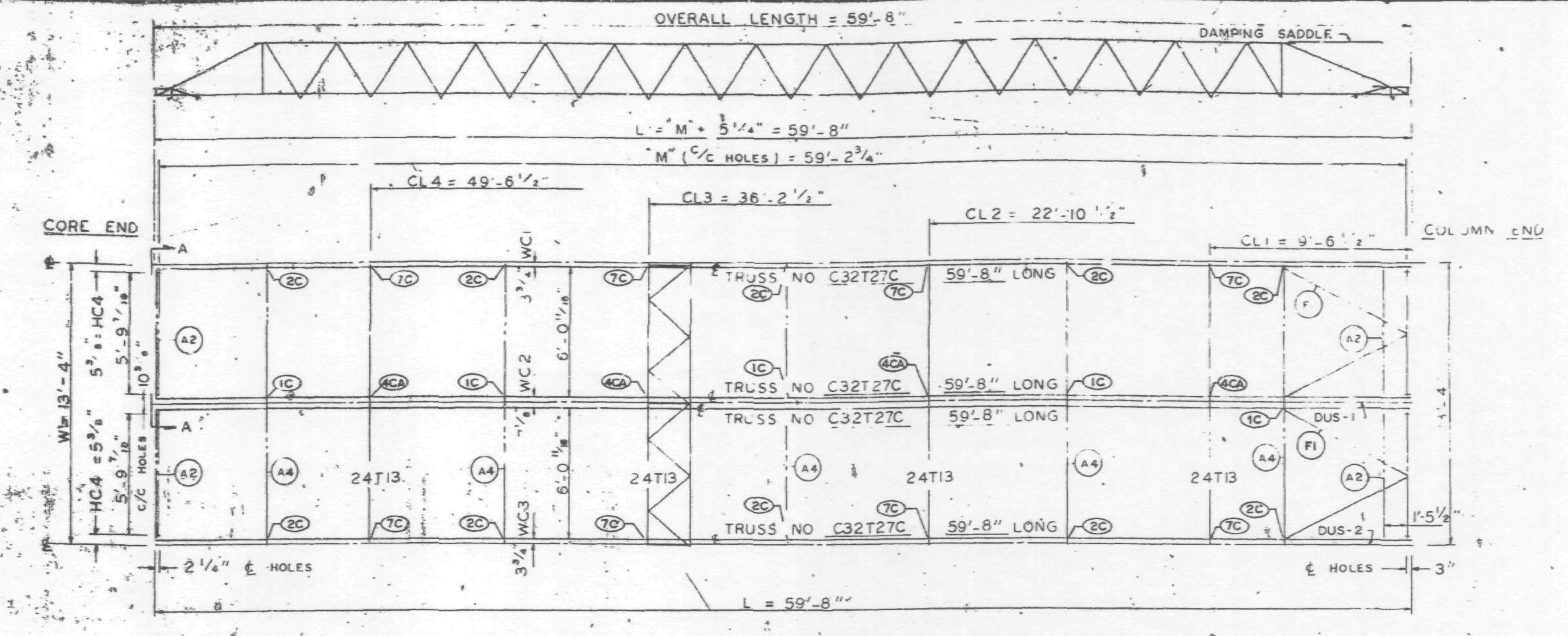
CHECKED BY T.M. CHURA DATE APRIL 28, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

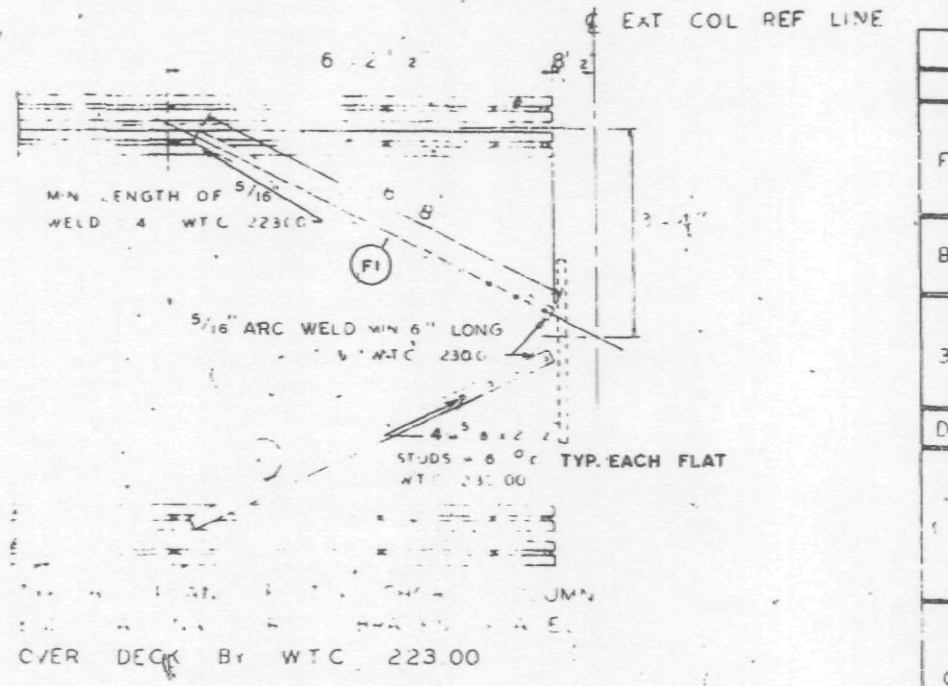
FABRICATION CONT. NO. W.T.C. 221

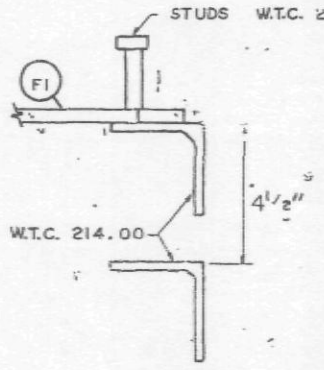
SHEET NO. FP BR2C



PANEL NO. B3C SIZE 13'-4" x 59'-8"

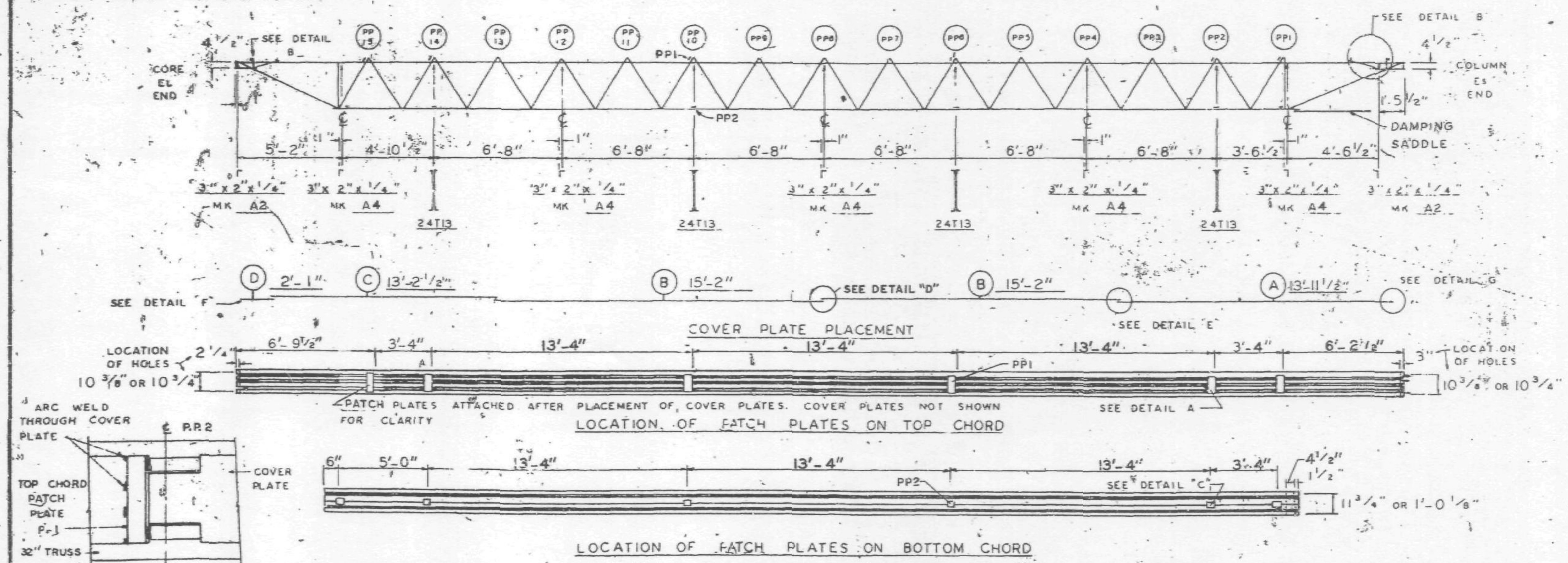
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES





CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING

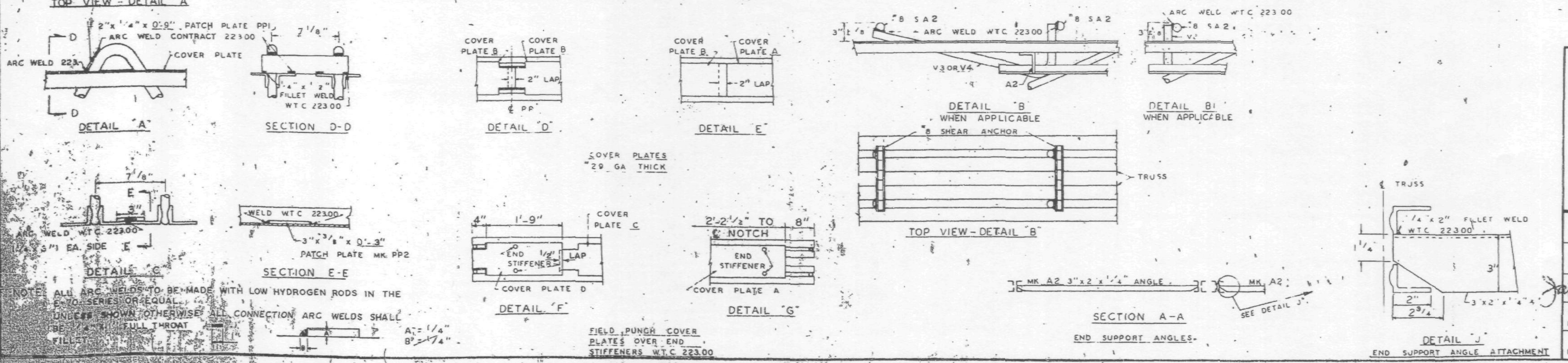
REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T27C	4	C32T27C-59'-8"	ST227C
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4 x 13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	9"x0.035"x13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-1 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-8"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400



NUMBERS AND LETTERS IN ELLIPSES ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201 OR CD 202.

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4 3	10-15-68
7-AB4 15 & 16	7-22-68
7-AB4 42	10-15-68
SA-124	1-6-69
7-AB3-43	1-6-69
7-AB1 #24	1-6-69
7-AB2 6	7-22-68

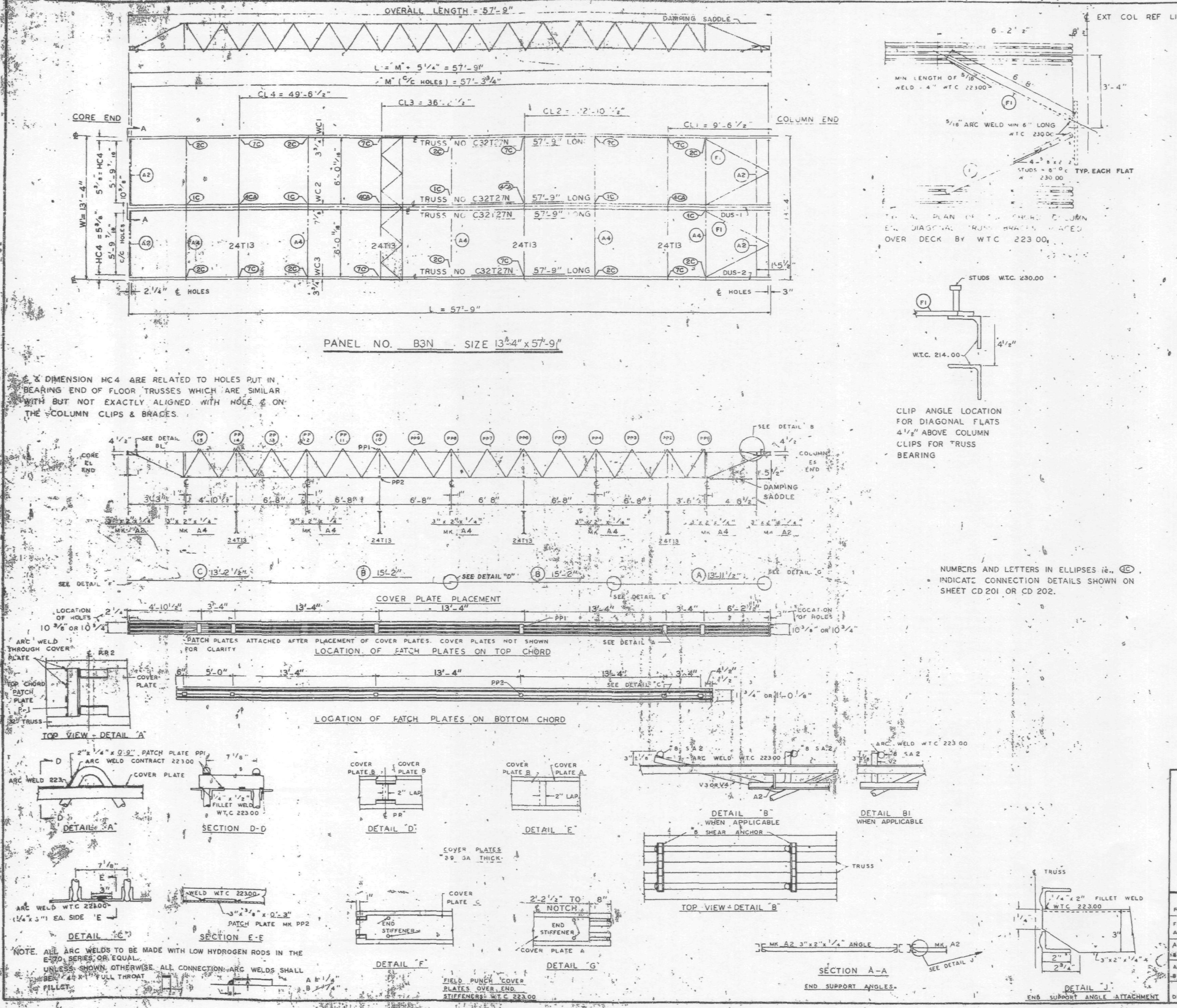


NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 3/16" FULL THROAT FILLET.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (SOUTH)
PANEL B3C - 13'-4" x 59'-8"
BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-43	PLATE
APPROVED FOR FABRICATION BY James ... FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY ... DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DIV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP B3C



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T27N	4	C32T27N-57'-9"	ST227N
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
3"x2"x1/4 ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4x13'-3"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0-9"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
ANGLE CLIPS	C1	12	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-7 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x6 1/2"	ST 400
	P2	4	4 1/2"x.30"x0'-8"	ST 400
	P3	4	4 1/2"x.30"x1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-43	1-6-69
7-AB1-24	1-6-69
7-AB2-6	7-22-68

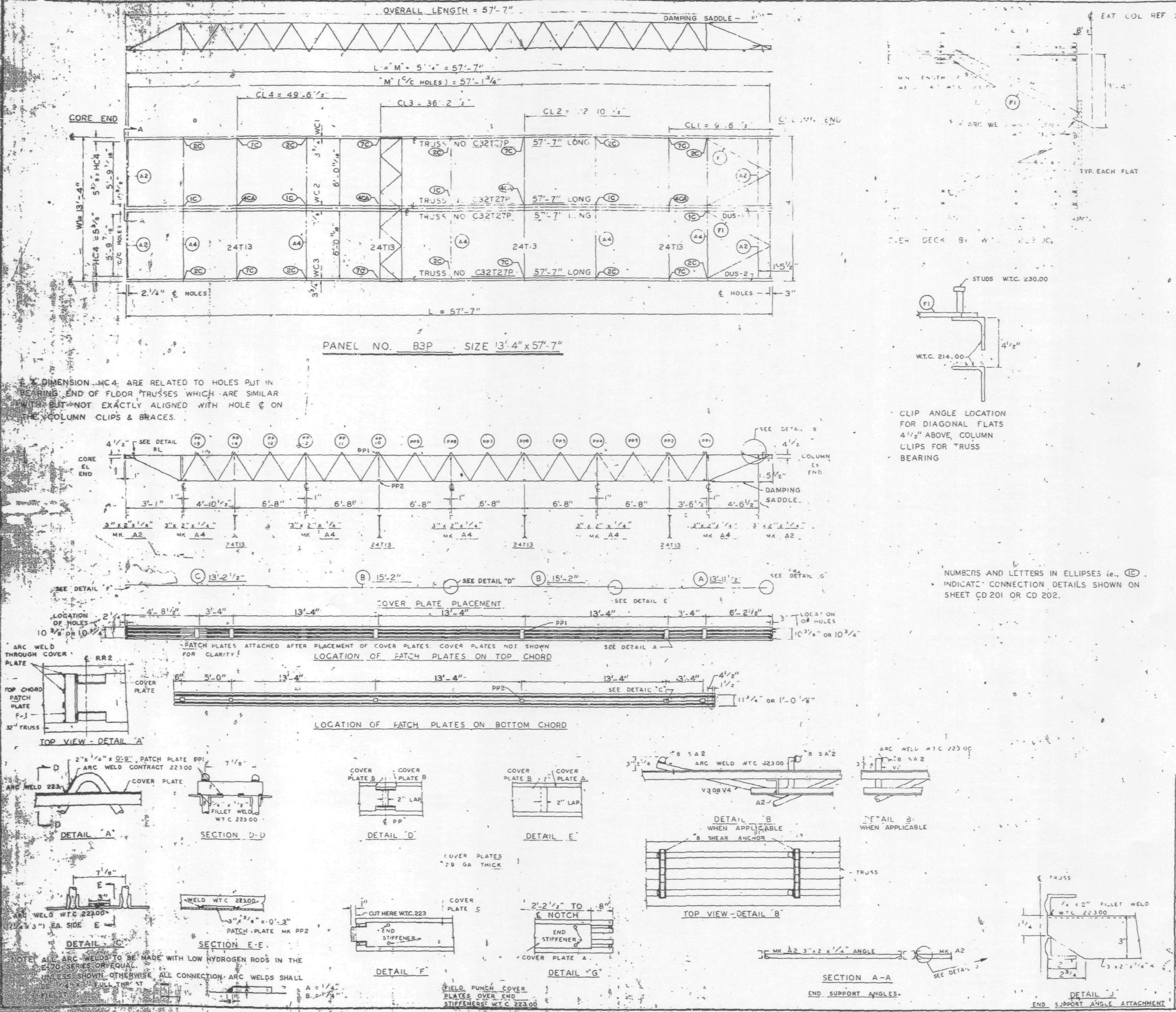
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 44 (EAST)

PANEL B3N - 13'-4" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-43	PLATE
APPROVED FOR FABRICATION BY ... FOR P.O.N.Y.A.	DATE 7/31/69	DRAWN BY ... DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY ... FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DIV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP B3N



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T27P	4	C32T27P-57'-7"	ST227P
BRIDGING TRUSSES	T13	4	24T13 - 13'-3"	BT213
ANGLE	A2	4	3"x2"x1/4"x5'-11 9/16"	ST403
	A4	5	3"x2"x1/4"x13'-3"	ST403
DIAGONAL FLATS	F	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP1	12	2"x1/4"x0'-9"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	A	2	[illegible]	ST303
	B	4	9"x .0135"x15'-2"	ST303
	C	2	9"x .0135"x13'-2 1/2"	ST303
ANGLE CLIPS	C1	12	2"x1 1/2"x1/4"x0'-6"	ST400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST400
DAMPING SADDLES	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-3 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 5/8" x 1'-3"	ST400
CONNECTION PLATES	P1	5	3 1/2"x3/8"x6 1/2"	ST400
	P2	4	4 1/2"x.39"x0'-9"	ST400
	P3	4	4 1/2"x.39"x1'-0"	ST400

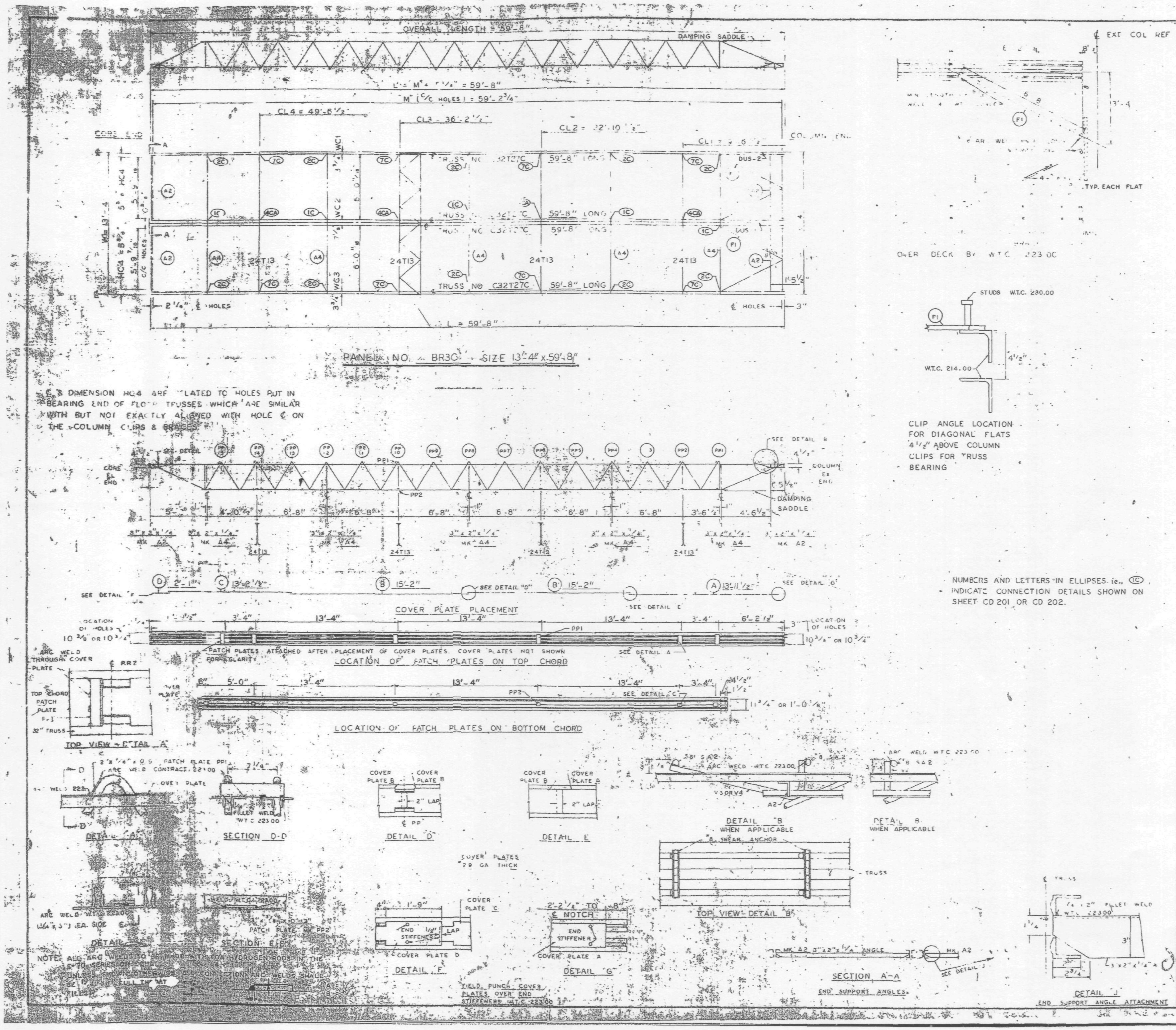
NO.	DATE	REVISION	BY

REF DRWG
- 7-AB4-3 — 10-15-68
- 7-AB4-15 & 16 — 7-22-68
- 7-AB4-42 — 10-15-68
- SA 24 — 1-6-69
- 7-AB3-43 — 1-6-69
- 7-AB 24 — 1-6-69
- 7-AB2-6 — 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (NORTH)
PANEL B3P 13'-4" x 57'-7"
BLDG. B FLOORS 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3 43 PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A DATE 7/3/69
DRAWN BY DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP B3P



NO.	DATE	REVISION	BY

REF DRWG

7-AB4-4	10-15-68
7-AB4-5,6	7-22-68
7-AB4-42	10-15-68
SA-4	1-6-69
7-AB3-44	1-6-69
7-AB4-24	1-6-69
7-AB2-8	7-22-68

REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK.	PCS	SIZE	DRWG
FLOOR TRUSSES	T2 C	4	C32T[illegible]C-59'-8"	ST2[illegible]
[illegible] TRUSSES	T13	4	24T[illegible]	BT213
[illegible] ANGLE	A2	4	[illegible]	ST4[illegible]
	A4	6	[illegible]	ST4[illegible]
[illegible] FLATS	F1	4	[illegible]	ST[illegible]
PATCH PLATES	PP1	12	[illegible]	ST[illegible]
	PP2	12	[illegible]	ST4[illegible]
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	16	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-3 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0	ST 400

FLOOR PANEL DETAILS

FOR

[illegible]

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 78 (SOUTH)

PANEL BR3C - [illegible]4" x 59'-8"

BLDG B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-44 L-PLATE

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 7/31/69

APPROVED FOR FABRICATION BY FOR FABRICATORS DATE

LACLEDE STEEL CO.

DETAILED BY A.C. WEBER

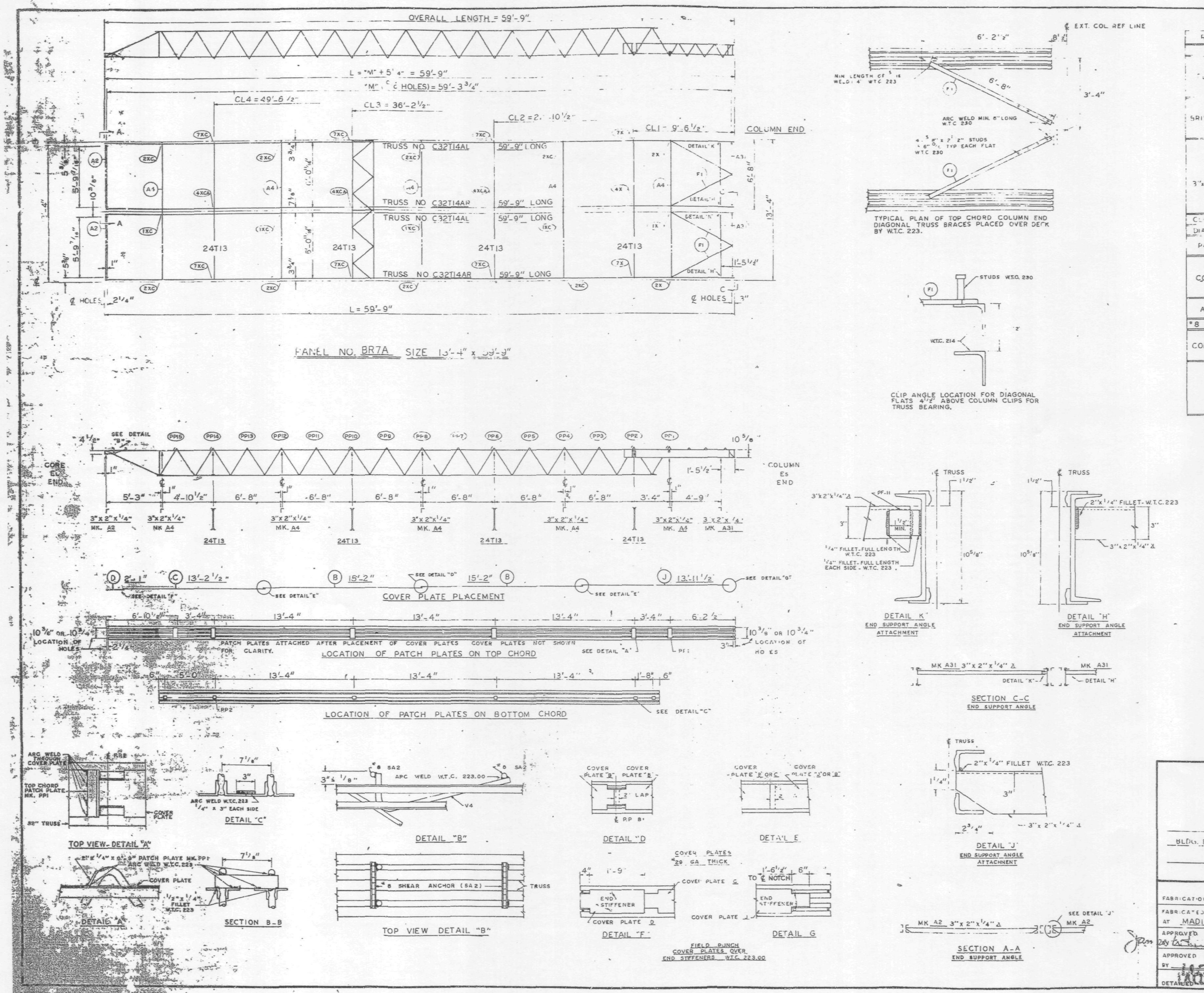
DRAWN BY [signature] DATE APRIL 28, 1969

CHECKED BY T.M. CHURA DATE APRIL 28, 1969

IN CHARGE OF [illegible]

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FD BR3C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AR
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	ST 213
3" x 2" x 1/4" ANGLE	A2	2	[illegible] x 5'-11 9/16"	ST 403
	A4	5	[illegible] 3"	ST 403
	A3	2	[illegible] x 5'-8 1/8"	ST 410
CLOSURE PLATES	[illegible]	[illegible]	[illegible]	ST 4 2
DIAGONAL FLATS	F	4	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	2	[illegible] x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	6	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3" [illegible] x 0'-6 1/2"	ST 400
	P2	4	[illegible] x .39" x 0'-9"	ST 400
	P3	4	4" [illegible] x .39" x 1'-0"	ST 400
	P9	4	3" x [illegible] x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWG.

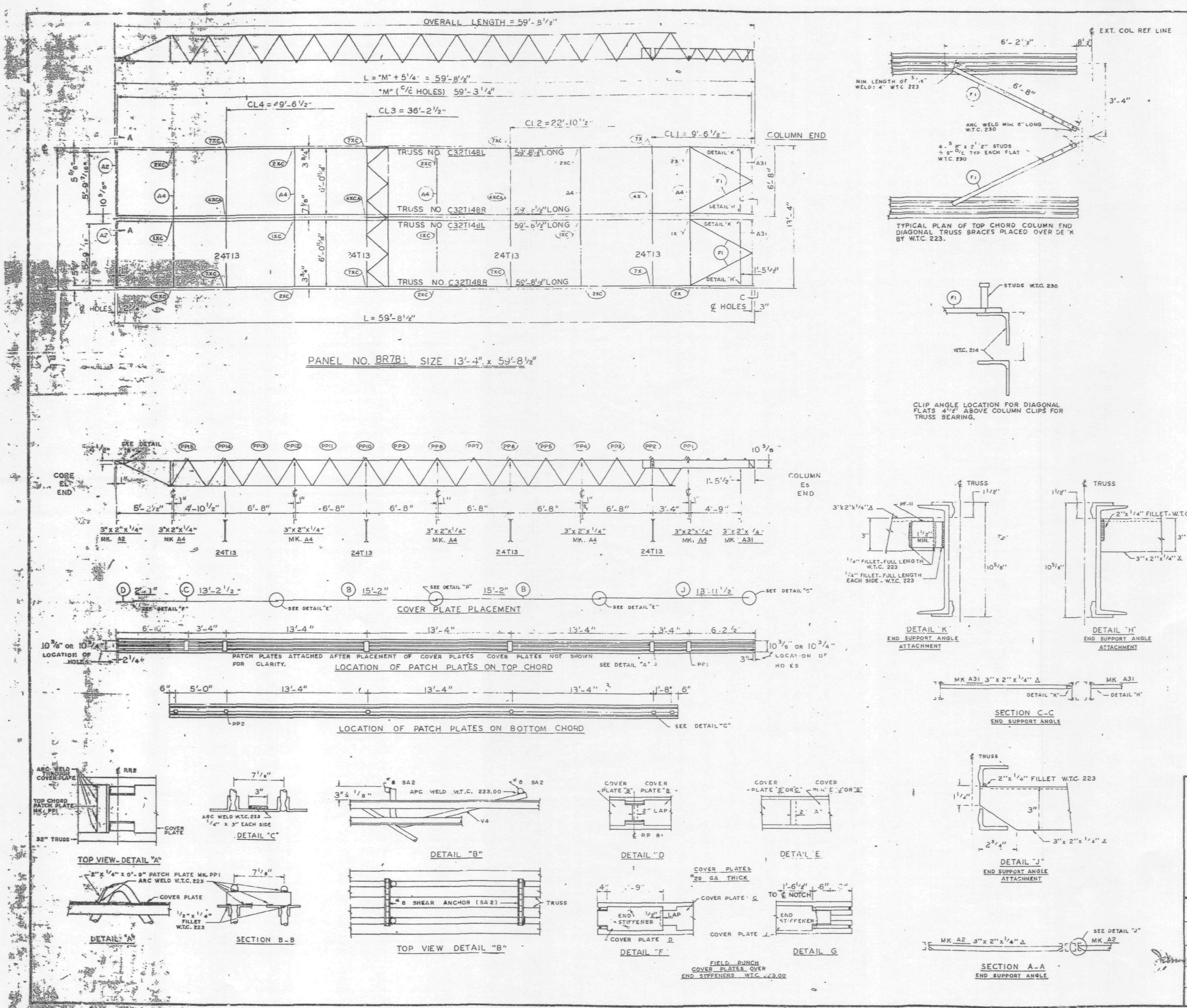
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AS2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL BR7A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-27 PLATE
APPROVED FOR FABRICATION BY [signature] FOR PONYA DATE 6/6/69
DRAWN BY [signature] DATE MAY 8, 1969
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY R.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP BR7A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	148L	2	C32T148L x 59'-8 1/2"	ST 214BL
	148R	2	C32T148R x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	ST 213
3"x 2"x 1/4" ANGLE	A2	2	3"x 2"x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3"x 2"x 1/4" x 13'-3"	ST 403
	A31	2	3"x 2"x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP	12	2"x 1/4" x 0'-9"	ST 400
	PP2	12	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	[illegible]	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
	P9	4	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1/4"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

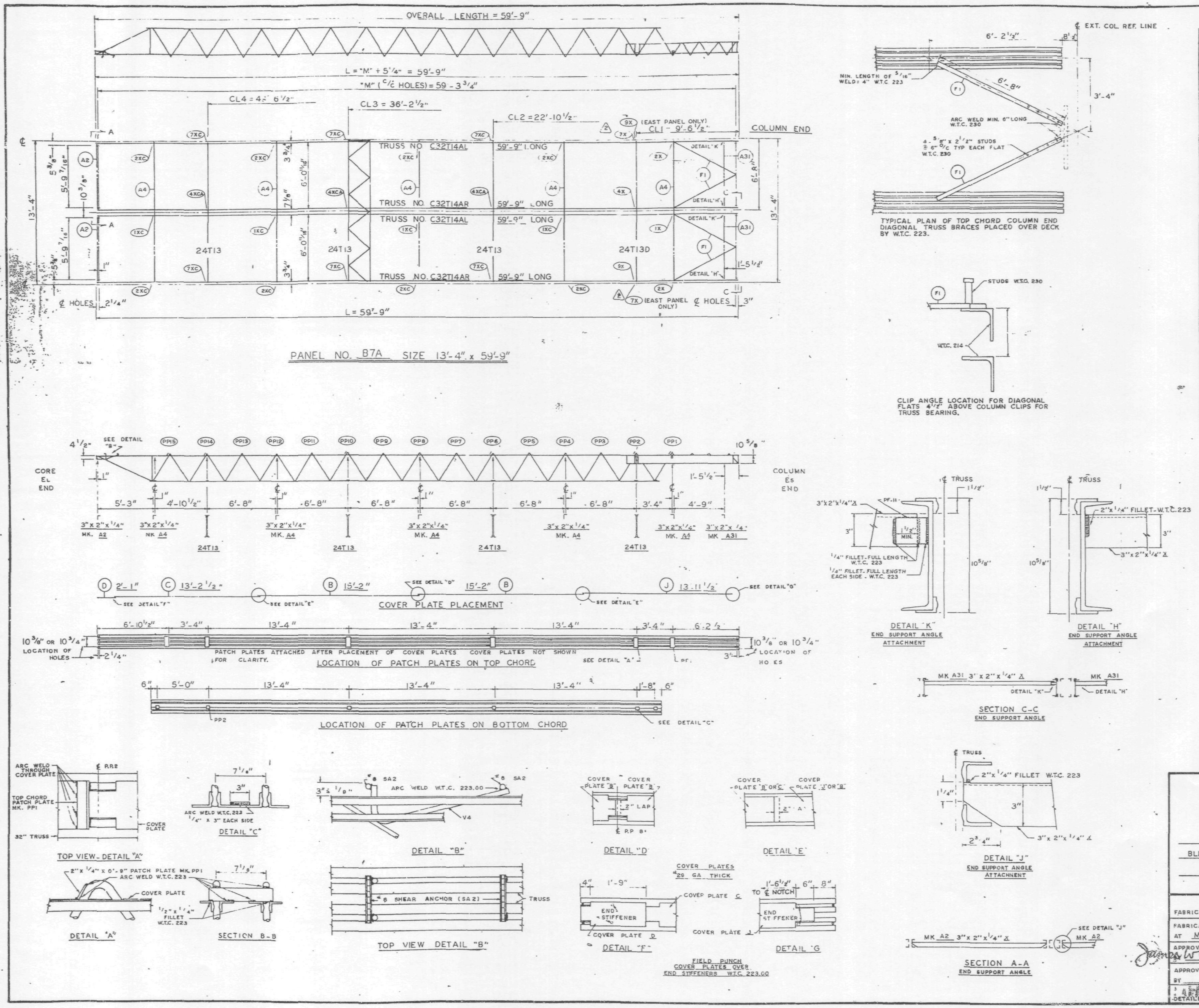
REF. DRWG.	
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 92 (WEST)

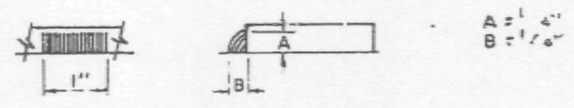
PANEL BR7B - 13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-27 — PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [signature] DATE MAY 8, 1969
APPROVED FOR FABRICATION BY [signature] FOR FABRICATOR — DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP BR7B
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x13'-3"	ST 403
	A31	2	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-1	[illegible]	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	18	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES (2)	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3*/4	4 1/2" x .39" x 0'-9"	ST 400
	P3	3*/4	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409
(1)	P10	1*	4 1/2" x .39" x 0'-5"	ST 409
	P11	1*	3" x 1/4" x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 62 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



(2) MATERIAL MARKED (*) IS FOR WEST PANELS ONLY.

NO.	DATE	REVISION	BY
2	6-13-69	AS NOTED	G.D.C.
1	5-12-69	AS NOTED	G.L.C.

REF. DRWG.

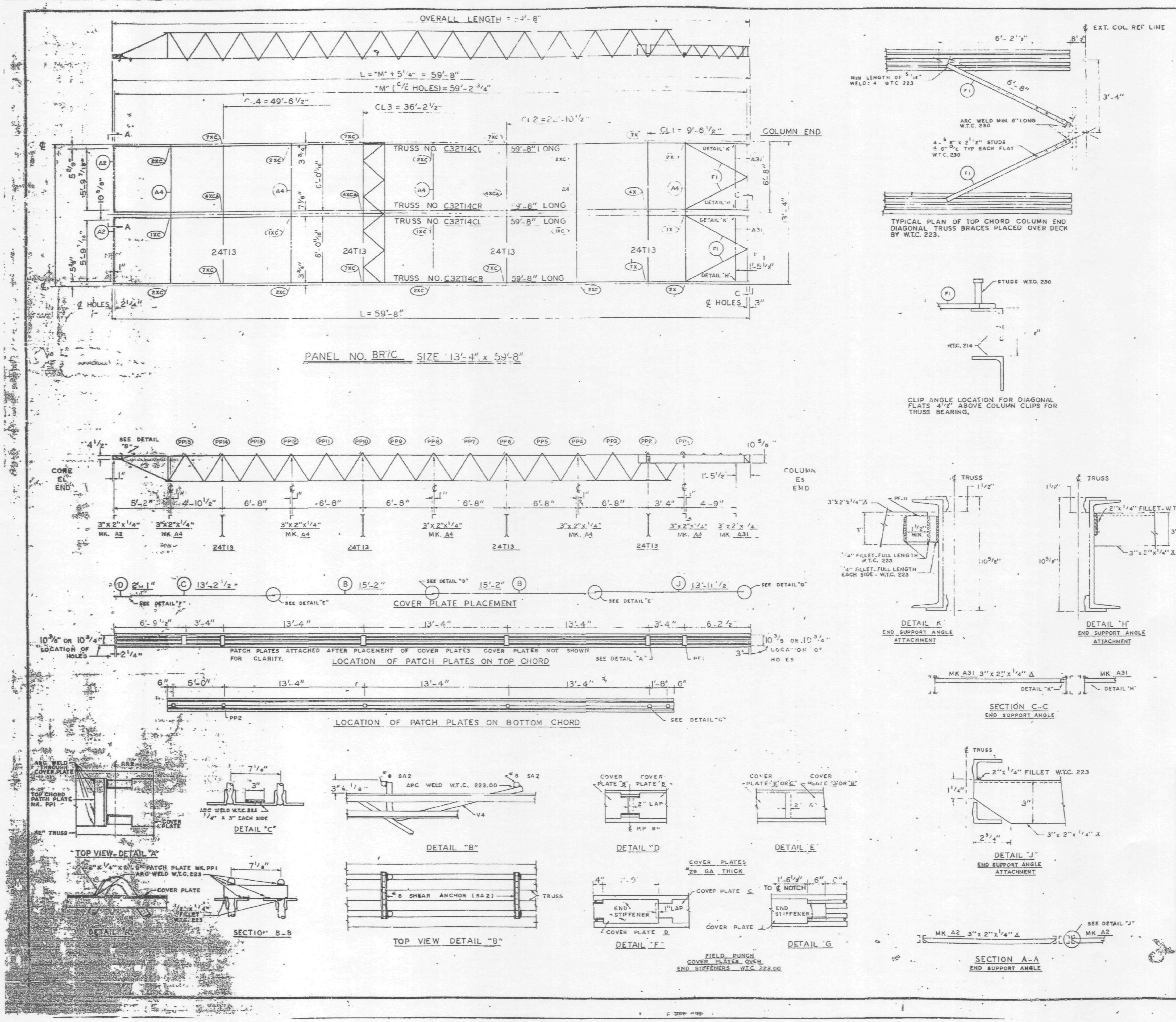
7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 2[illegible] (EAST & WEST) 59 (WEST)

PANEL B7A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-26 PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 6/20/69
DRAWN BY L.W.R. DATE MAY 8, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A. C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP B7A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	4	24T13 x 13'-3"	BT 213
3" x 2" x ¼" ANGLE	A2	2	3" x 2" x ¼" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x ¼" x 13'-3"	ST 403
	A31	2	3" x 2" x ¼" x 5'-8 7/8"	ST 410
CLOSURE PLATES	[illegible]	2	3" x ¼" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x ¼" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2½"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11½"	ST 304
ANGLE CLIPS	C1	16	2" x 1½" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	B1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3½" x 3/8" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	4	4½" x .39" x 1'-0"	ST 400
	P9	4	3" x ½" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x ¼" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWG.

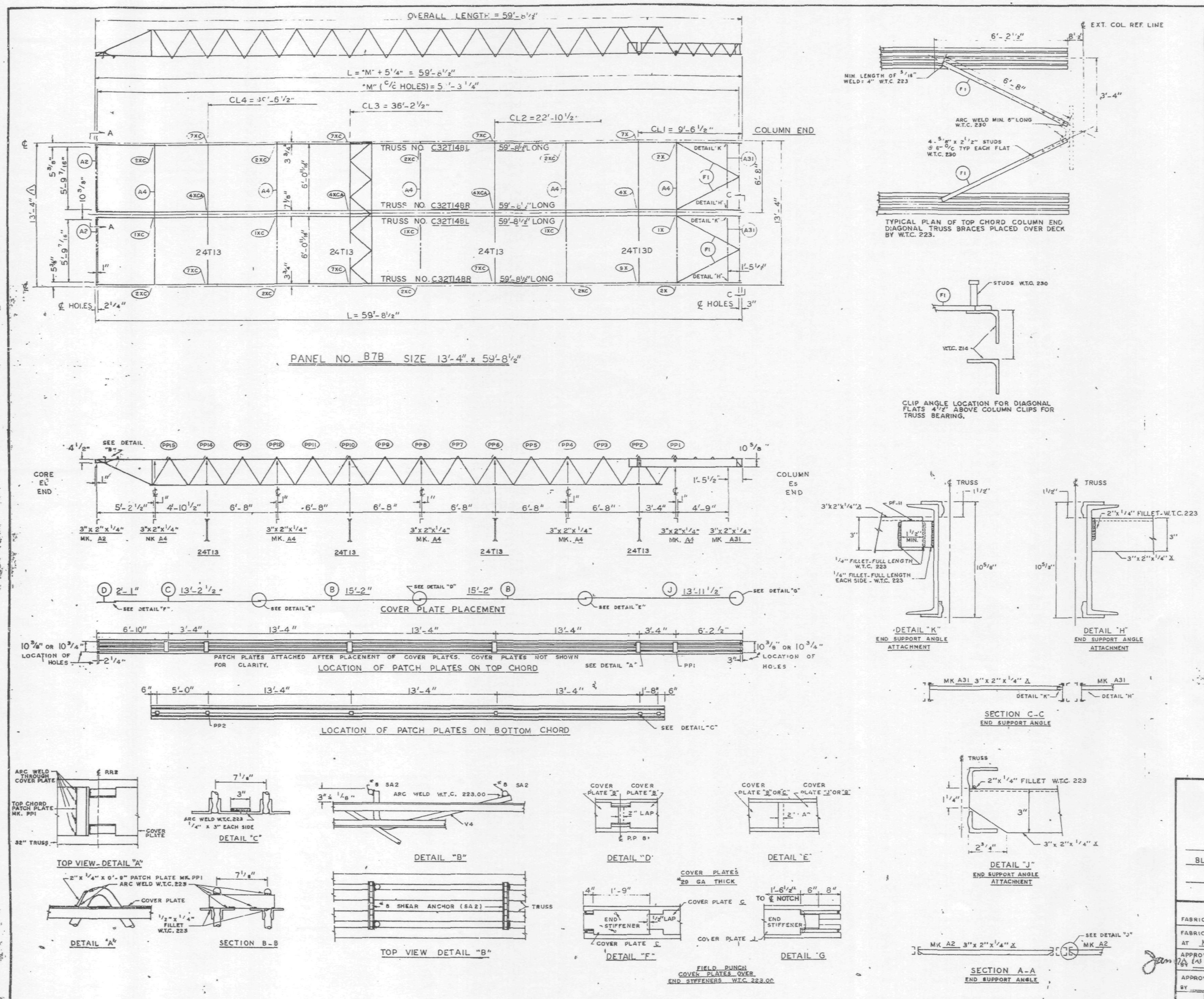
7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-26	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

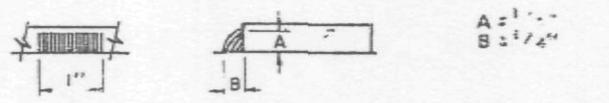
PANEL BR7C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-27 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE 6/6/69
DRAWN BY [illegible] DATE MAY 8, 1969
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO FP BR7C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	2	C32T14BL x 59'-8½"	ST 214BL
	T14BR	2	C32T14BR x 59'-8½"	ST 214BL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x ¼" ANGLE	A2	2	3"x2"x¼"x5'-11 9/16"	ST 403
	A4	5	3"x2"x¼"x13'-3"	ST 403
	A31	2	3"x2"x¼"x5'-8⅛"	ST 410
CLOSURE PLATES	PF-11	2	3" x ¼" x 0'-2⅜"	ST 412
DIAGONAL FLATS	F1	4	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x ¼" x 0'-9"	ST 400
	PP2	12	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2½"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11½"	ST 304
ANGLE CLIPS	C1	16	2"x1½"x.25"x6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES ⚠1	P1	4	3½"x⅜"x0'-6½"	ST 400
	P2	3	4½"x.39"x0'-9"	ST 400
	P3	3	4½"x.39"x1'-0"	ST 400
	P9	4	3"x½"x1'-2"	ST 409
	P10	1	4½"x.39"x0'-5"	ST 409
	P11	1	3"x¼"x0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x ¼" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.

REF. DRWG.

7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

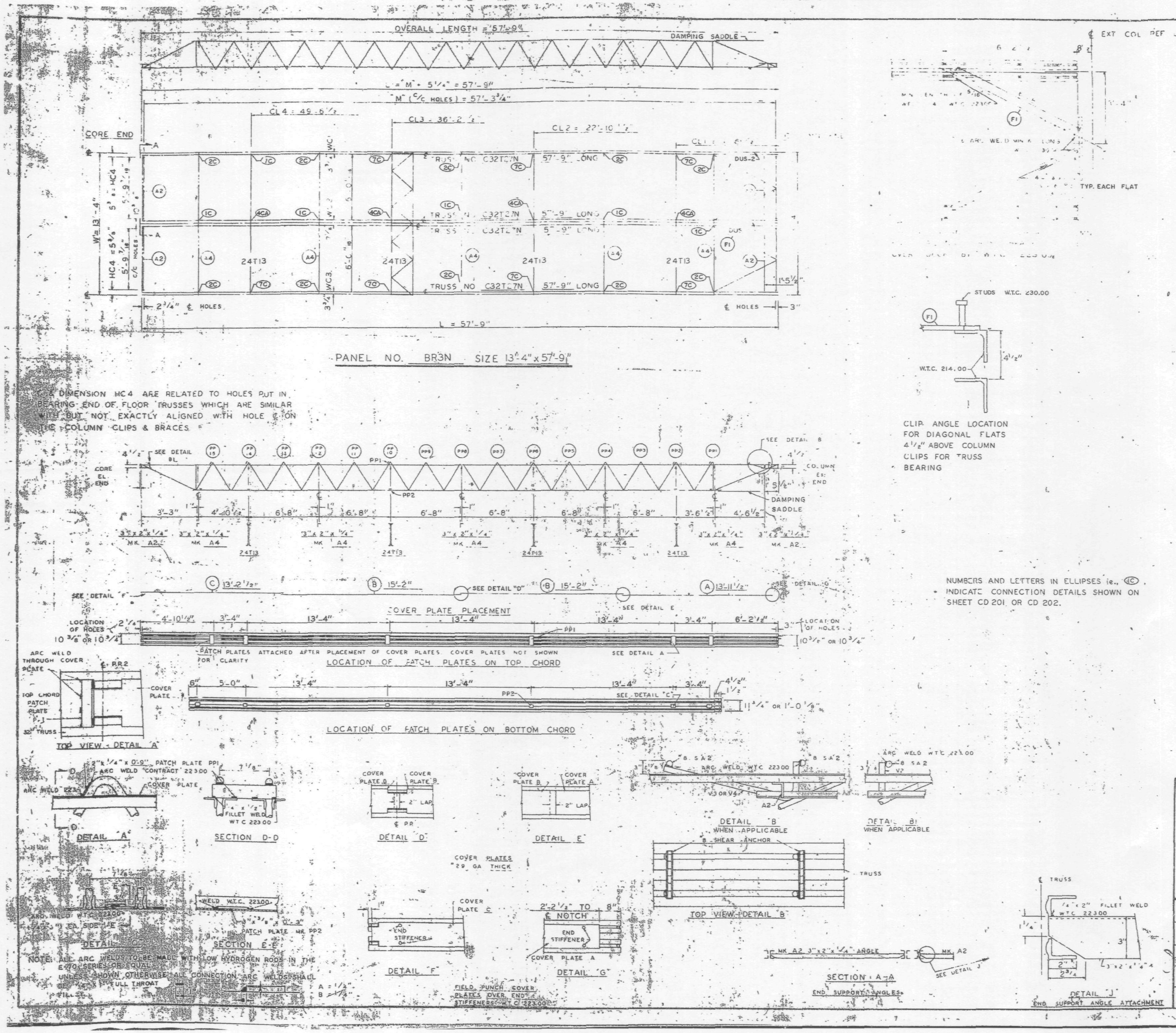
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 92 (WEST)

PANEL B7B - 13'-4" x 59'-8½"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-26	PLATE
APPROVED FOR FABRICATION BY [signature] FOR PO NYA	DATE 6/6/69	DRAWN BY [signature] DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT NO W T C 221	SHEET NO FP B7B



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	[illegible]	4	C32T[illegible]N-57'-9"	ST2
[illegible]	[illegible]	4	24T[illegible]	[illegible]
[illegible]	A4	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	4	[illegible]	[illegible]
[illegible]	PP	[illegible]	[illegible]	[illegible]
COVER PLATE	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2½"	ST303
ANGLE CLIPS	[illegible]	12	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	1	3½" x 3½" x ⅜" x 3'-3⅞"	ST298
	DUS-2	[illegible]	3½" x 3½" x ⅜" x 3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	8	3½" x ⅜" x 6½"	ST 400
	P2	4	4½" x .30" x 0'-6"	ST 400
	P3	4	4½" x .30" x 1'-0	ST 400

NO.	DATE	REVISION	BY

REF DRWG
- 7-AB4-[illegible] 10-15-68
- 7-AB4-[illegible] 7-22-68
- 7-AB4-42 10-15-68
- SA 124 1-6-69
- 7-AB3-44 1-6-69
- 7-AB1-24 1-6-69
- 7-AB4-[illegible] 7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 44 (EAST)

PANEL BR3N-[illegible]-4" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-44 PLATE

APPROVED FOR FABRICATION BY [illegible] FOR PONYA DATE 7/31/69

DRAWN BY [illegible] DATE APRIL 26 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

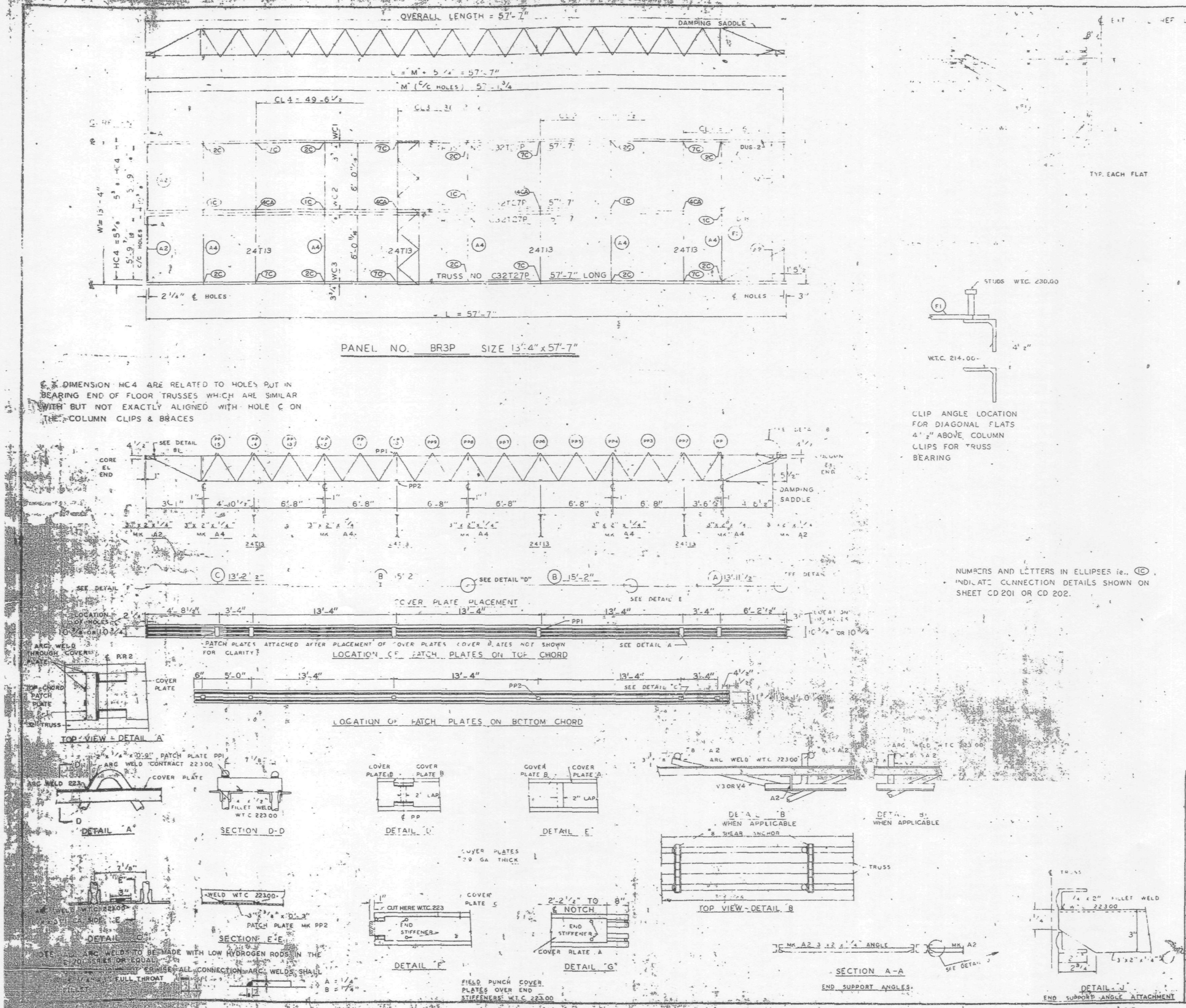
CHECKED BY T.M.CHURA DATE APRIL 26 1969

IN CHARGE OF PROD. DIV.

LACLEDE STEEL CO. DETAILING DIV.

FABRICATION CONT. NO. W.T.C. 221

SHEET FD BR3N



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK.	PCS	SIZE	
[illegible] TRUSSES	[illegible]	4	C32T[illegible]	ST[illegible]
[illegible]	[illegible]	[illegible]	24T[illegible] 13 [illegible]	ST[illegible]
[illegible] PLATES	[illegible]			
[illegible] PLATES	B	4	9" x 0135" x 15'-2"	ST303
	C	2	9" x 0135" x 13'-2 1/2"	ST303
[illegible]	[illegible]	12	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#[illegible] SHEAR [illegible]	[illegible]2	8	#8 REBAR x 0'-9"	ST 400
[illegible] BAR	[illegible]	[illegible]	[illegible] x 3/8" x [illegible] 3 7/8"	ST298
	[illegible]2	[illegible]	3 1/2 x 3 1/2 x 3/8 x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-8"	ST 400
	P3	4	4 1/2" x .30" x 1'-[illegible]	ST 400

NO.	DATE	REVISION	B

REF. DRWG.

[illegible]	10-15-68
[illegible]	7-22-68
[illegible] 42	10-15-68
[illegible] 24	1-6-69
7-A53-44	1-6-69
7-A51-24	1-6-69
7-A52-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (NORTH)

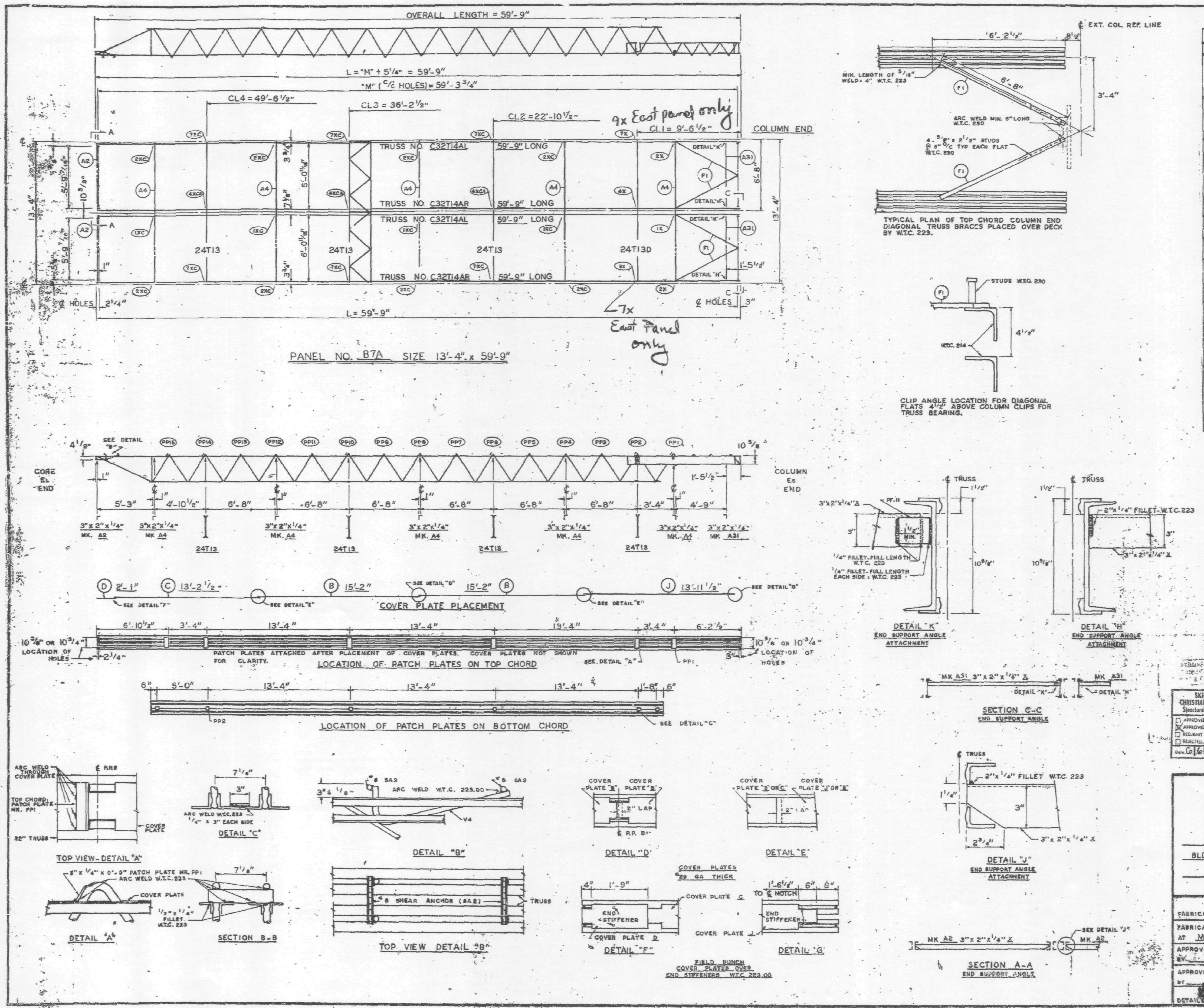
PANEL BR3P 13'-4" x 57'-7"

BLDG. B FLOORS 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-A83-44 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 7/3/69	DRAWN BY [illegible] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969
DETAILED BY A.C. WEBER	FABRICATION CONT. NO. W.T.C. 221

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x13'-3"	ST 403
	A31	2	3"x2"x1/4"x5'-8 1/3"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x1 1/2"x.25"x6"	ST 400
*8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES (1)	P1	4	3 1/2"x3/8"x0'-8 1/2"	ST 400
	P2	3 *4	4 1/2"x.39"x0'-9"	ST 400
	P3	3 *4	4 1/2"x.39"x1'-0"	ST 400
	P8	4	3"x1/2"x1'-2"	ST 40[illegible]
	P10	1 *	4 1/2"x.39"x0'-5"	ST 4[illegible]
	P11	1 *	3"x1/4"x0'-6"	ST 40[illegible]

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/8"

Material marked * is for West panel only

NO.	DATE	REVISION	BY
(1)	5-12-69	AS NOTED	G.D.

SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 6/6/69 By SK

REF DRWG.

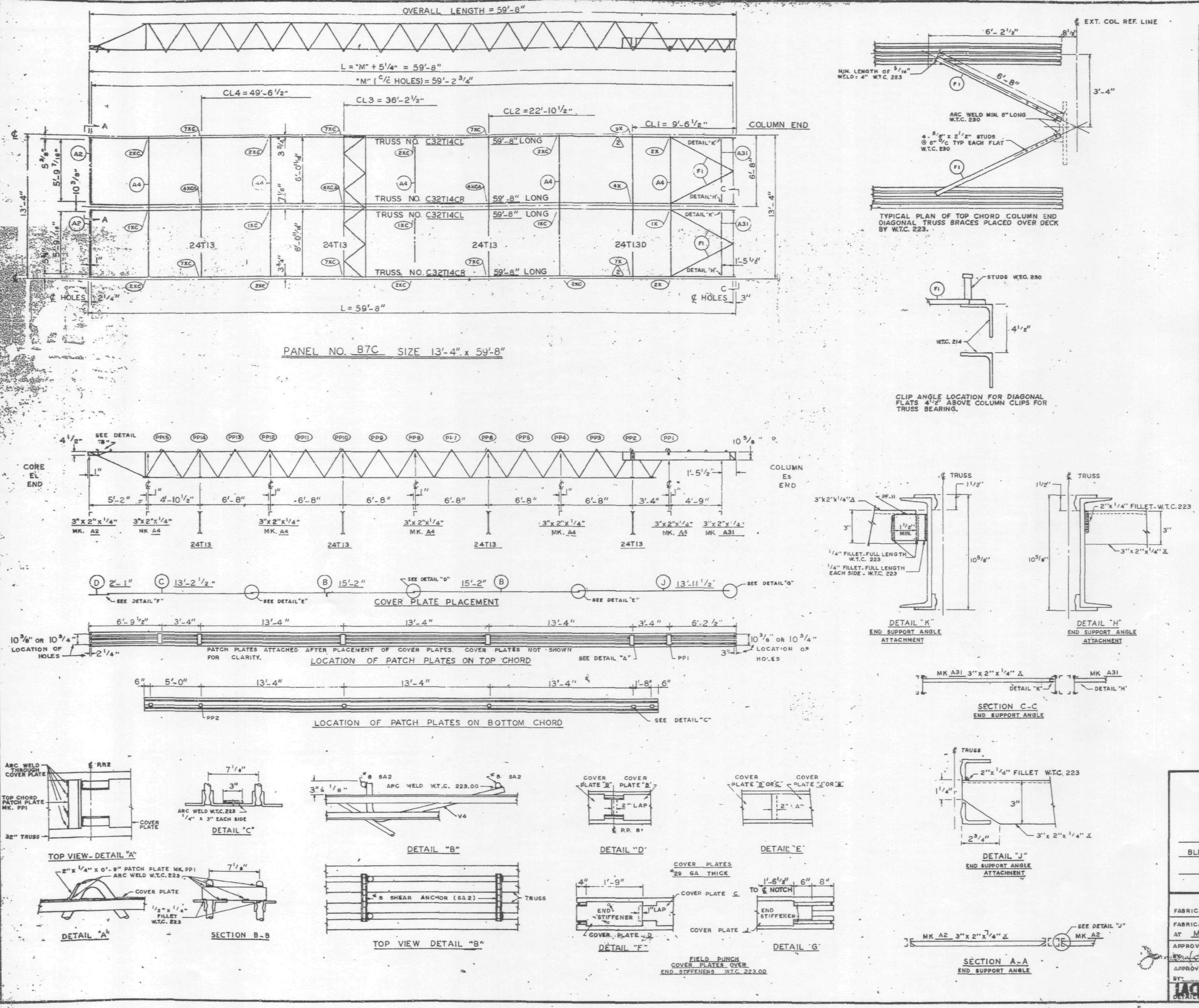
7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL B7A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-26 PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE
DRAWN BY DATE MAY 8, 1969
APPROVED FOR FABRICATION BY [redacted] FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MAY 8, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.G. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO FP B7A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES (2)	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
2	6-16-69	AS NOTED	G.D.
1	5-12-69	AS NOTED	G.D.

REF DRWG.

7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

PANEL B7C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-26 PLATE 2

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 7/28/69

DRAWN BY [initials] DATE MAY 8, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

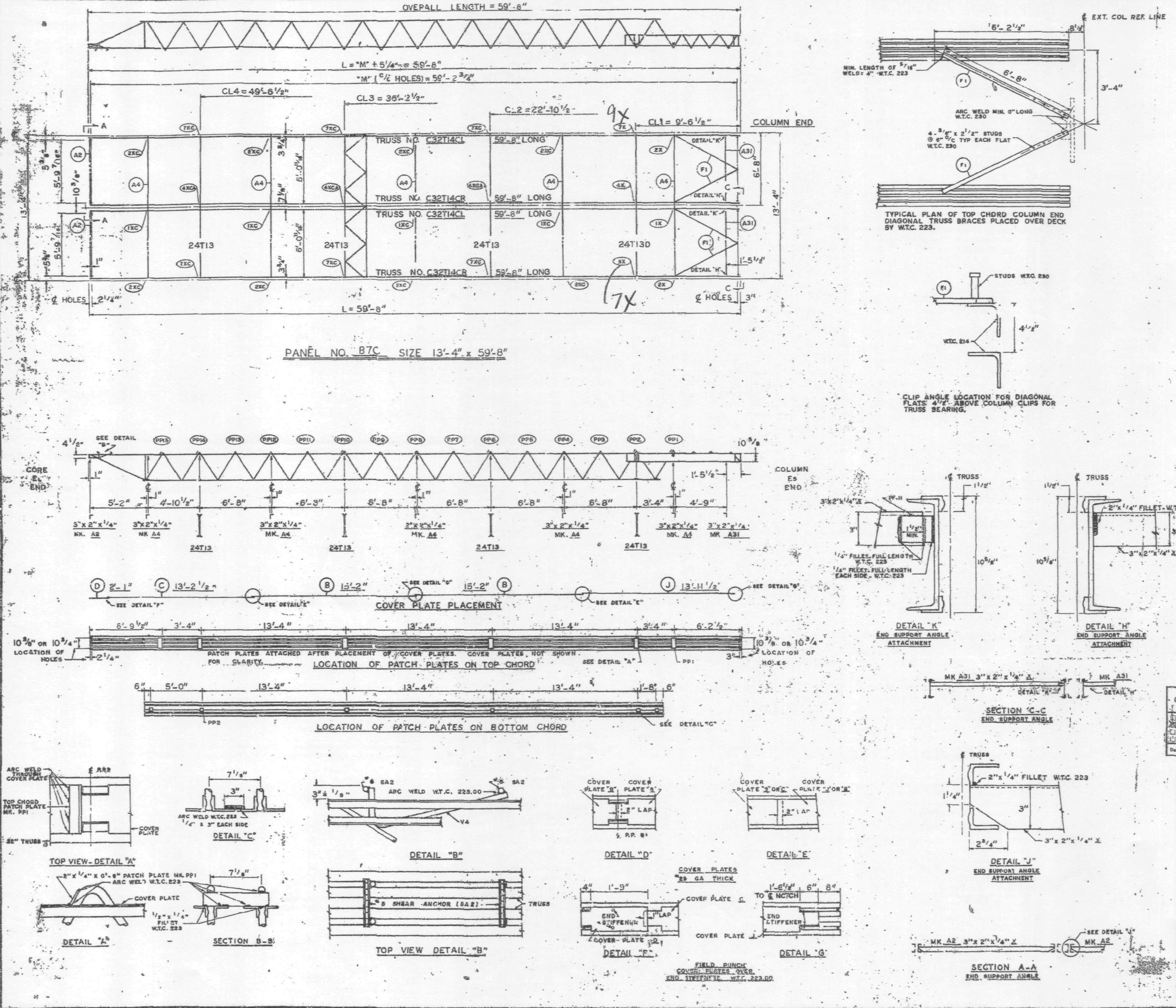
CHECKED BY T.M. CHURA DATE MAY 8, 1969

IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO. DETAILED BY

FABRICATION CONT NO W.T.C. 221

SHEET NO. FP B7C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
				1
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A4	5	3" x 2" x 1/4" x 13'-3"	ST 403
	A31	2	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 8"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3	4 1/2" x .39" x 0'-9"	ST 400
	P3	3	4 1/2" x .39" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409
⚠1	P10	1	4 1/2" x .39" x 0'-5"	ST 409
	P11	1	3" x 1/4" x 0'-6"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

1	5-12-69	AS NOTED	G.D.
NO.	DATE	REVISION	BY

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED
APPROVED AS NOTED
RESUBMIT
REJECTED
Date 6/6/69 By SK

REF. DRWG.	
7-AB3-26	10-4-68
-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-2*	7-22-68
SD-124	3-24-69
7-AB3-24	8-15-68

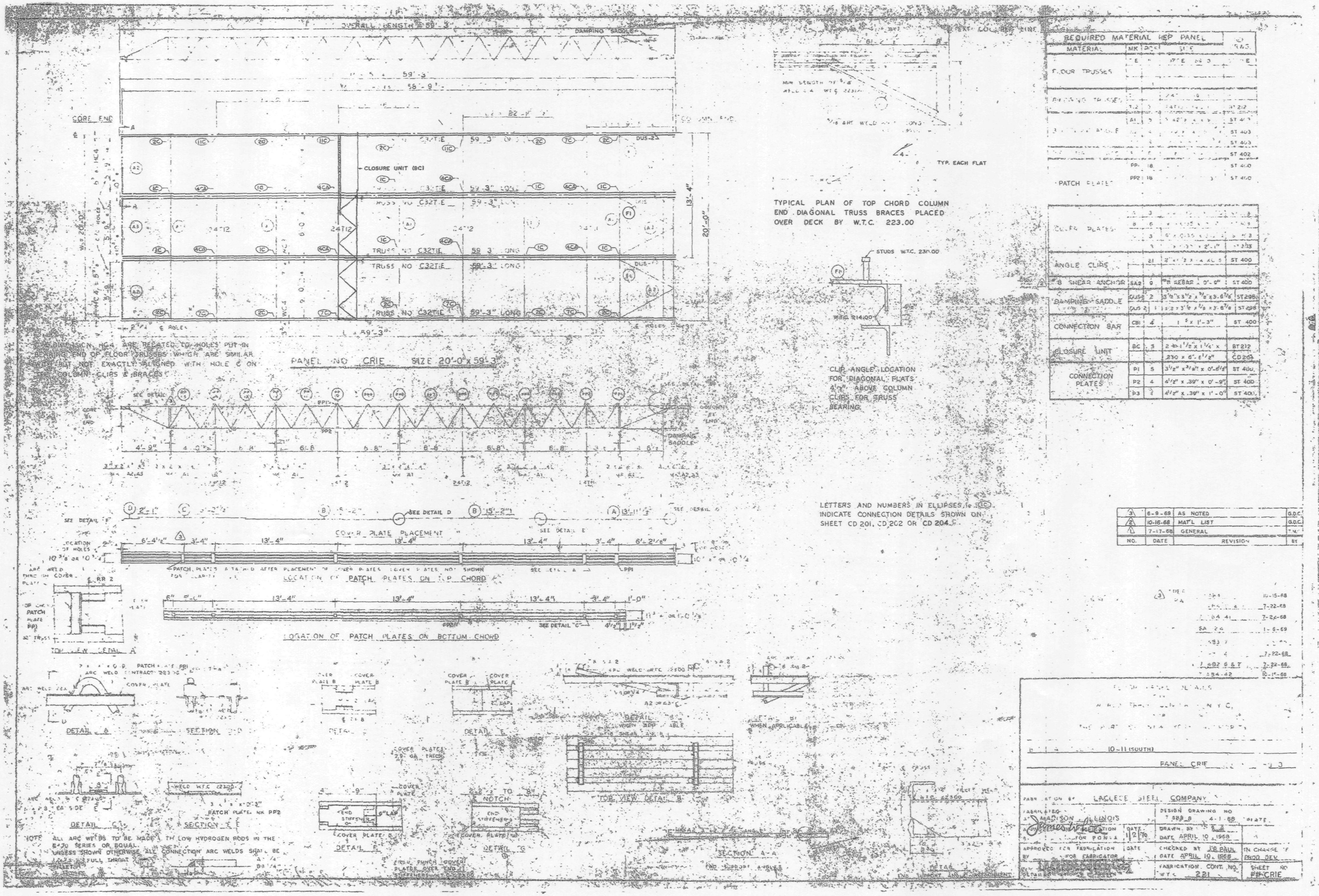
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

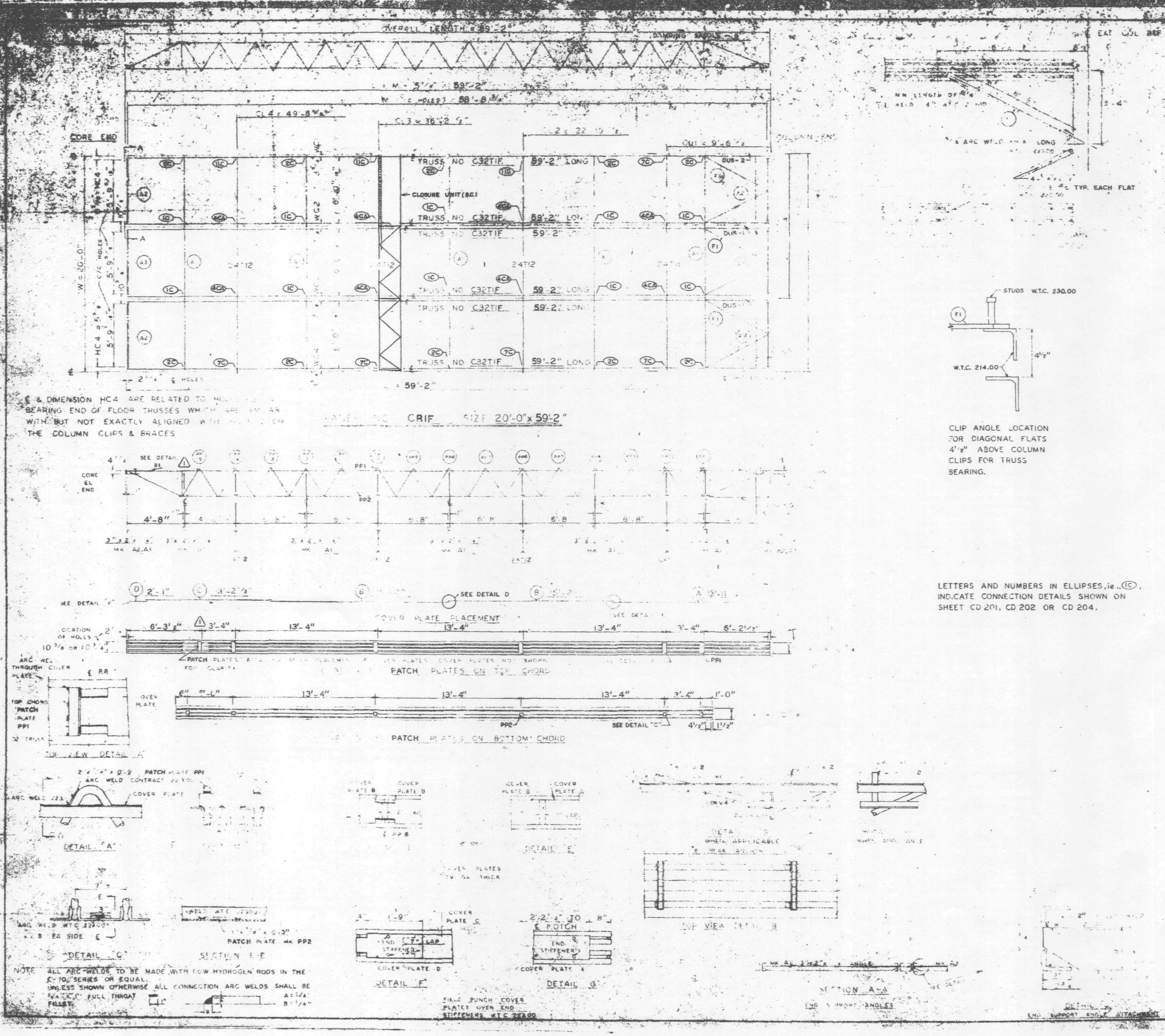
PANEL B7C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON - ILLINOIS		DESIGN DRAWING NO. 7-AB3-26	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV.
DET[illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP B7C



OVERALL LENGTH 59'-3"
DAMPING SADDLE
CORE END
CLOSURE UNIT (8C)
TRUSS NO C32T-E 59'-3" LONG
TRUSS NO C32T-E 59'-3" LONG
TRUSS NO C32T-E 59'-3" LONG
13'-4"
20'-0"
L = 59'-3"
PANEL NO CRIE SIZE 20'-0" x 59'-3"
TYP. EACH FLAT
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
ST 400
ST 402
ST 403
CD 204
4'-9"
6'-8"
DAMPING SADDLE
SEE DETAIL D
SEE DETAIL E
COVER PLATE PLACEMENT
13'-4"
3'-4"
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
SEE DETAIL "C"
TOP VIEW DETAIL "A"
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
3 | 6-9-69 | AS NOTED
2 | 10-16-68 | MAT'L LIST
1 | 7-17-68 | GENERAL
NO. | DATE | REVISION | BY
DETAIL "A"
SECTION "B-B"
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
TOP VIEW DETAIL "B"
DETAIL "C"
SECTION "C-C"
DETAIL "F"
DETAIL "G"
SECTION "A-A"
NOTCH
COVER PLATE
END STIFFENER
PATCH PLATE MK PP2
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FULL THROAT.
10-11 (SOUTH)
PANEL CRIE
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DESIGN DRAWING NO
DRAWN BY
DATE APRIL 10, 1968
CHECKED BY J.B. PAUL
DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-CRIE



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FULL THROAT FILLET.

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	6	C32T1F + 59'-2"	ST201F
BRIDGING TRUSSES	[illegible]	1	24T11 - 19'-11"	BT211
	T2	3	24T12 - 19'-11"	BT 212
3 x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	[illegible]	3	[illegible] .035" x 13'-[illegible]	ST 303
	B	6	[illegible] .035" x 15'-2"	ST 303
	C	3	[illegible] x .0135" x [illegible] 2 1/2"	ST 303
	D	3	[illegible] .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x [illegible]	ST 400
#8 SHEAR ANCHOR	S	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3' 8 7/8"	ST 298
	DUS-2	1	[illegible] 3/8" x 3' 8 7/8"	ST 298
CONNECTION BAR	CB1	4	1 1/4" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT 212 / CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	8-9-69	AS NOTED	G.D.C.

[illegible]	10-15-68
[illegible] 5,15,8,39	7-22-68
7-AB4-41	7-22-68
[illegible]	1-6-69
7-AB3	1-3-[illegible]
[illegible]	7-22
[illegible]	7-22-68
7-AB4-42	10-15-68

THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 47-48 (S) 47-48, 70-71 (N)

PANEL CRIF [illegible] x 59'-2"

BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-B

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

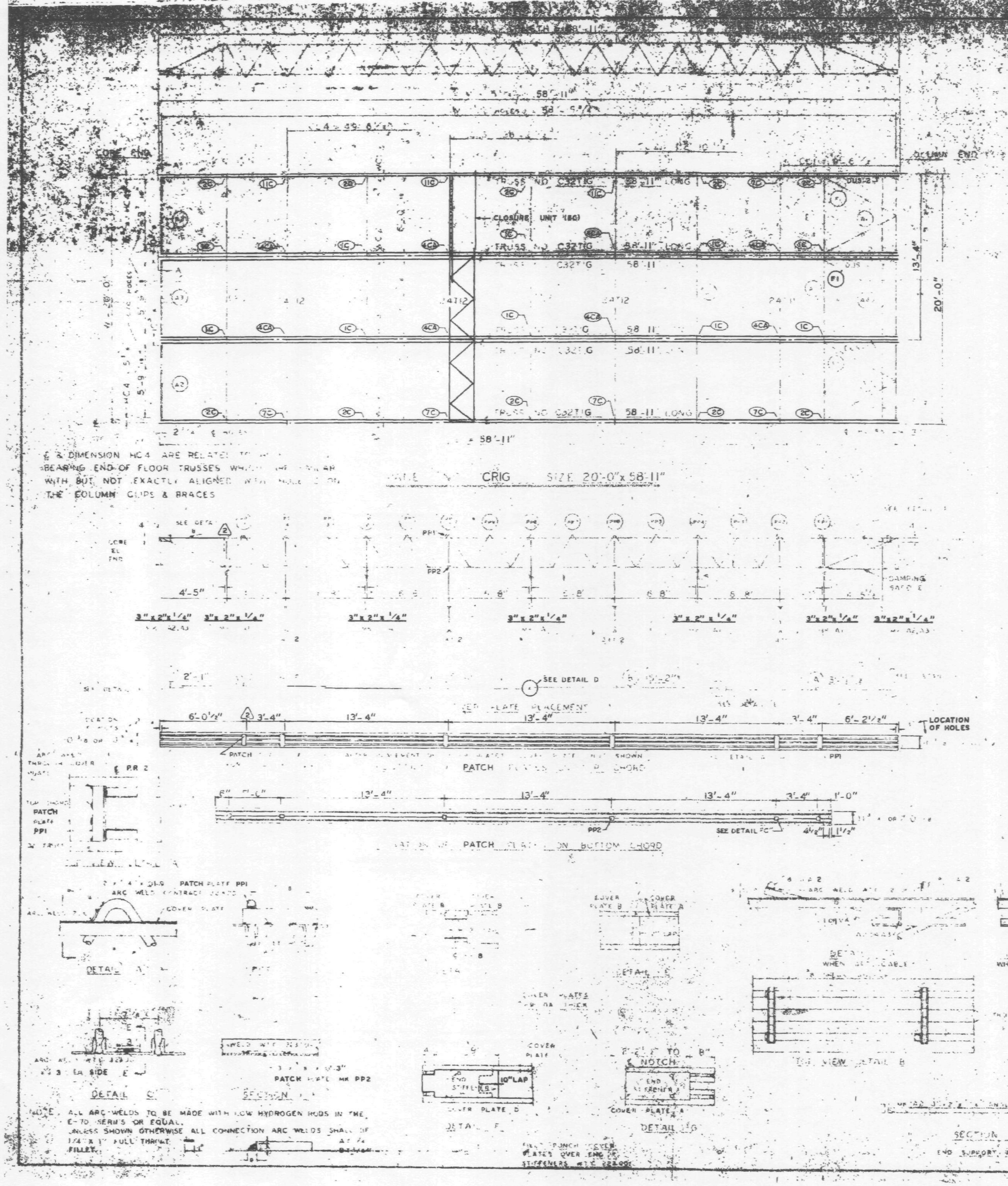
CHECKED BY T.M.CHURA DATE OCT. 23, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY LACLEDE STEEL CO.

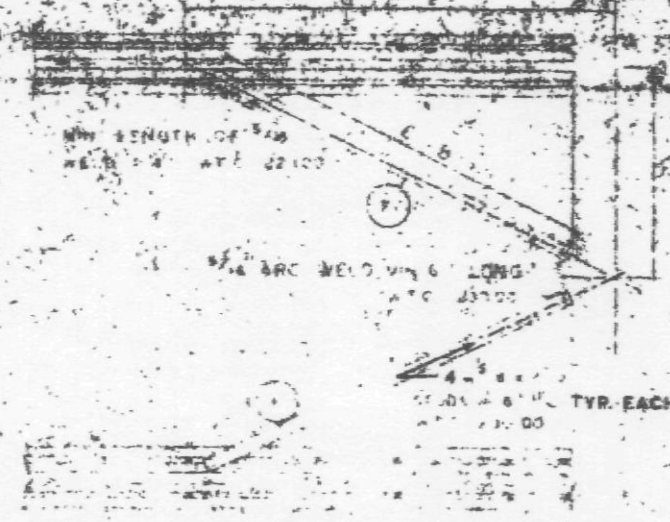
FABRICATION CONT. NO. W.T.C. 221

SHEET NO. CRIF

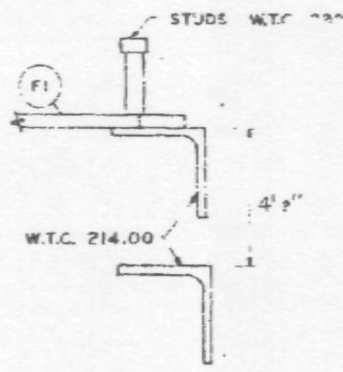


& DIMENSION HC4 ARE RELATED TO ... BEARING END OF FLOOR TRUSSES WHICH ... WITH BUT NOT EXACTLY ALIGNED WITH ... THE COLUMN CLIPS & BRACES

NOTE: ALL ARC-WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	[illegible]	SIZE	
FLOOR TRUSSES	TIG	4	C32TIG - 58'-11"	ST 216
BRIDGING TRUSSES	T11	3	24T11 - 19'-[illegible]	ST 211
	T12	3	24T12 - 19'-11"	ST 212
[illegible] ANGLE	A1	5	3" x 2" x 1/4" x [illegible]	ST 403
	A2	4	3" x 2" x 1/4" x 5-11 [illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL FLATS	F1	6	[illegible] x 6'-8	ST 402
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	3" x [illegible] x 0'-3"	ST 400
[illegible]	[illegible]	3	[illegible]	[illegible]
	[illegible]	6	[illegible]	[illegible]
	[illegible]	3	[illegible]	[illegible]
	[illegible]	3	[illegible] 2'-1"	[illegible]
ANGLE [illegible]		21	[illegible]	ST 400
[illegible]	SA2	3	[illegible] 0'-8"	ST 400
[illegible]	[illegible]	2	[illegible] 6 7/8"	[illegible]
	[illegible]	1	[illegible] 6 7/8"	[illegible]
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	[illegible]	[illegible]
			230 x 6'-6 1/2"	[illegible]
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .38" x 0'-9"	ST 400
	P3	1	4 1/2" x .38" x 1'-0"	ST 400

NO	DATE	REVISION	
2	6-9-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	[illegible]

10-15-68
7-22-68
7-22-68
1-6-69
7-22-68
7-22-68
10-15-68

39 (NORTH & SOUTH) 40 (SOUTH) 10-11 (NORTH)

PANEL CRIG [illegible] 58'-11"

BLDG. B FLOORS 39 (EAST & WEST) 40 (EAST) (2)

FABRICATION BY [illegible] COMPANY

DESIGN DRAWING NO. 7-493 B

DRAWN BY [illegible] DATE APRIL 10, 1968

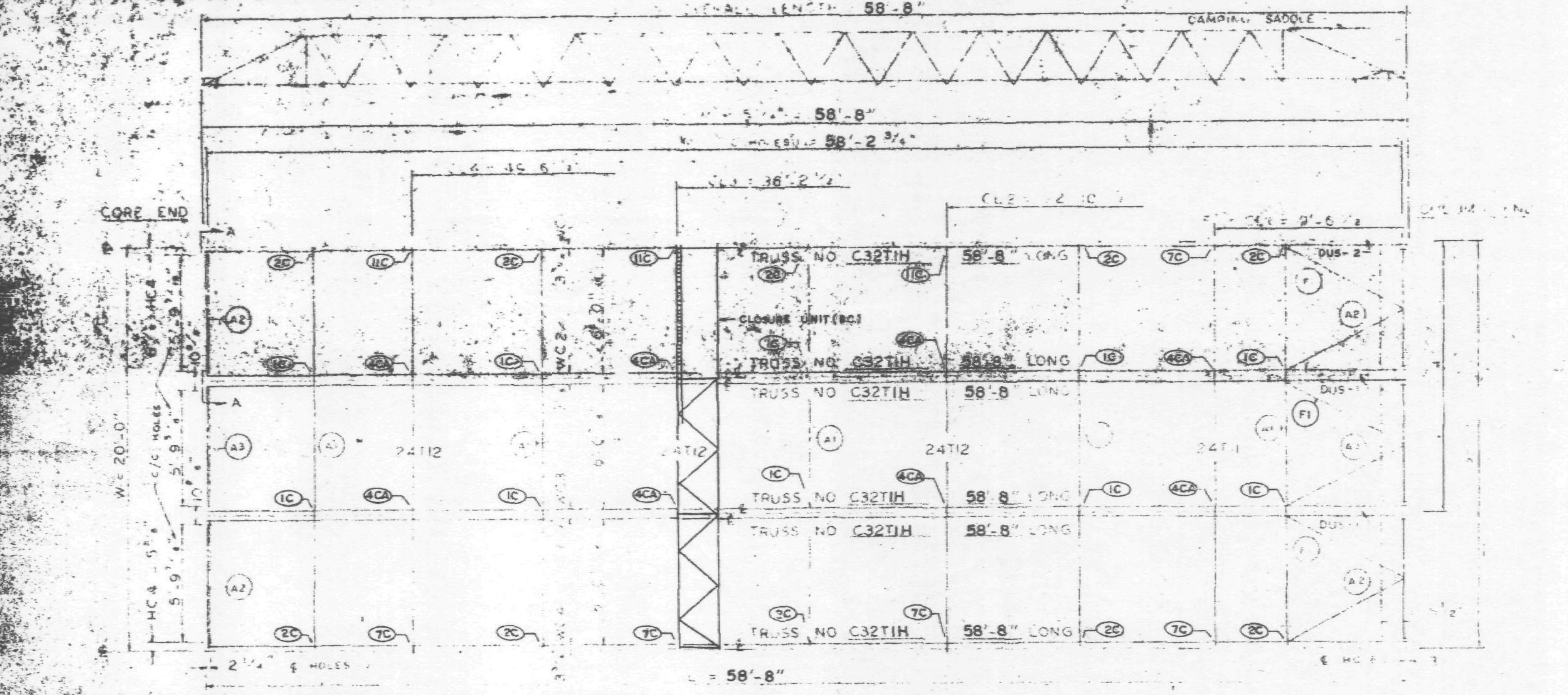
James White 1/2/70

CHECKED BY J.R. PAUL DATE APRIL 10, 1968

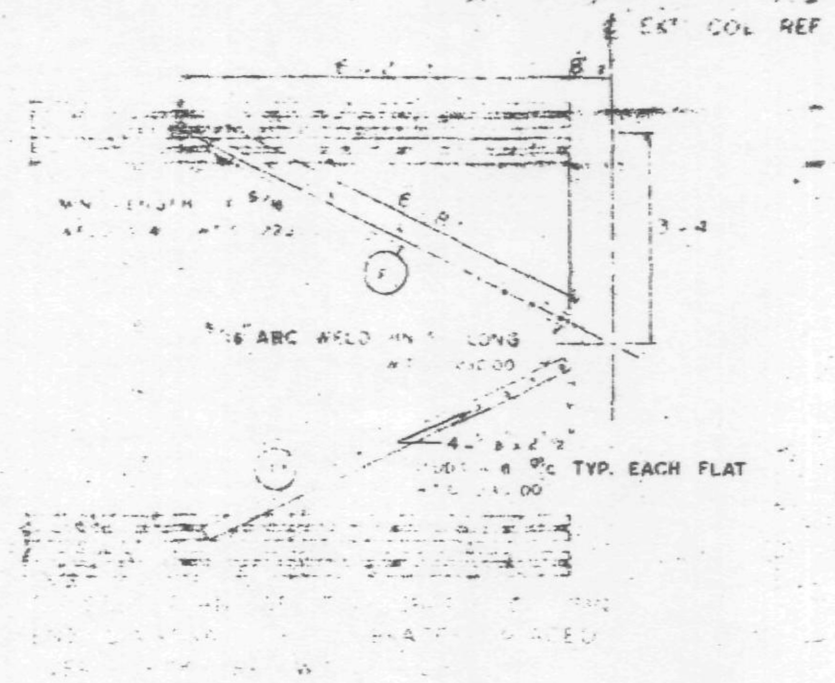
IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. 221

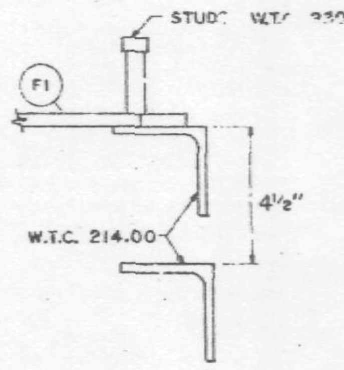
SHEET NO. FP CRIG



& DIMENSION HC4 ARE RELATED TO HOLES IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE IN ON THE COLUMN CLIPS & BRACES.

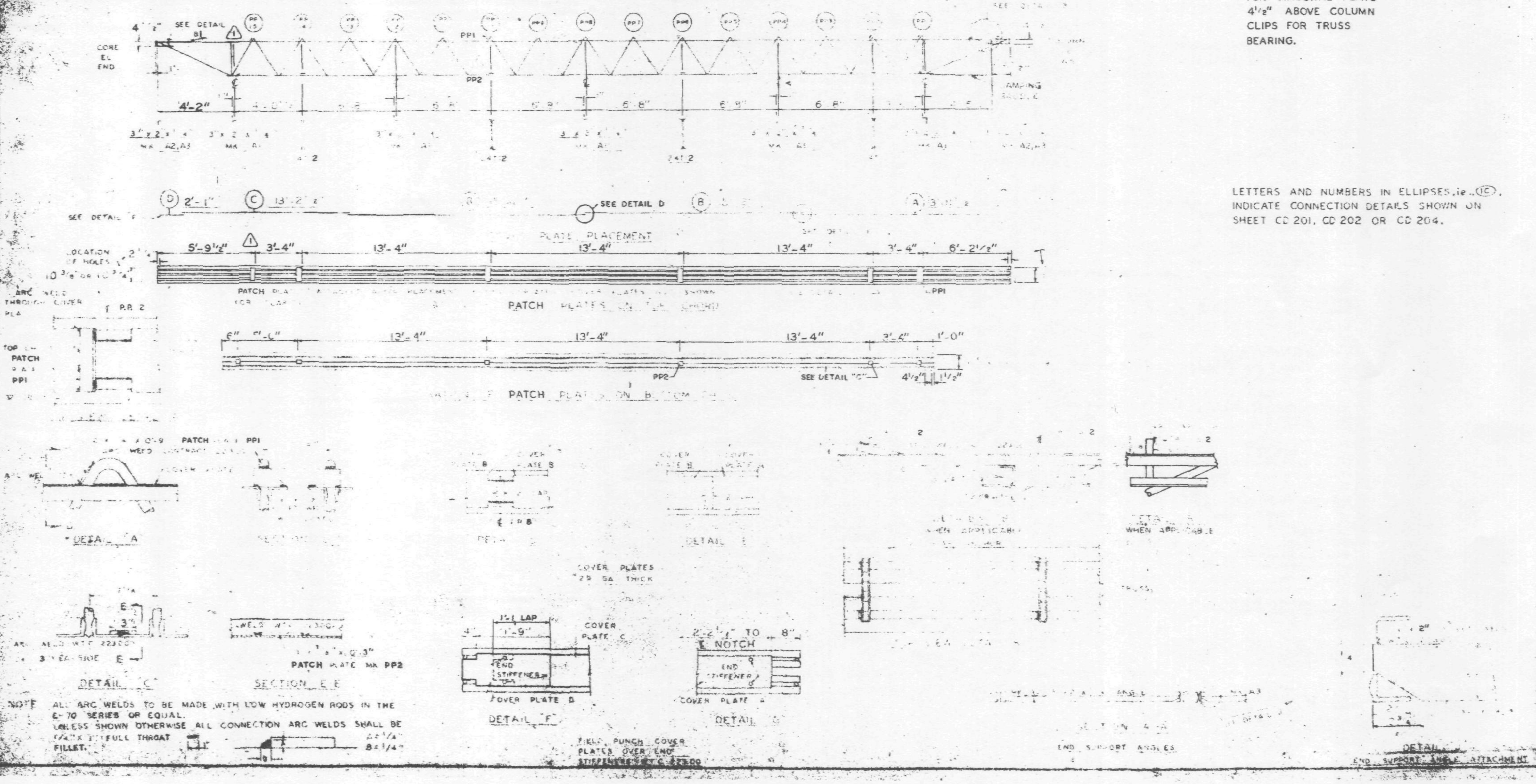


REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1H	6	C32T1H - 58'-8"	ST201H
BRIDGING TRUSSES	T11	1	24T [illegible] 9'-1"	BT211
	T12	3	24T12 - 19'-11"	BT212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2"	ST303
	B	6	9" x 0.135" x 13'-2"	ST303
	C	3	9" x 0.135" x 13'-2 1/2"	ST303
	D	3	9" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	[illegible]	21	2" x 1 1/2" x 1/4" x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2 x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2 x 3 1/2 x 3/8 x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1 1/2 x 1 1/4" x	BT212
			230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

1	6-9-69	AS NOTED	G.D.C.
NO.	DATE	REVISION	

[illegible]	10-15-68
[illegible]	7-22-68
[illegible]	7-22-69
[illegible]	1-6-69
[illegible]	[illegible]
[illegible]	7-22-69
[illegible]	7-22-69
CAB4 42	10-15-68

WORLD [illegible]

THE PORT OF [illegible] AUTHORITY

[illegible] 79-80 (N)

[illegible] CRIH [illegible] x 58'-8"

BLDG. 8 FLOORS 79-80 (WEST) ⚠1

[illegible] LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White FOR PONYA DATE 1/2/70

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

DESIGN DRAWING NO. [illegible] 8 PLATE

DRAWN BY [illegible] DATE OCT 23, 1968

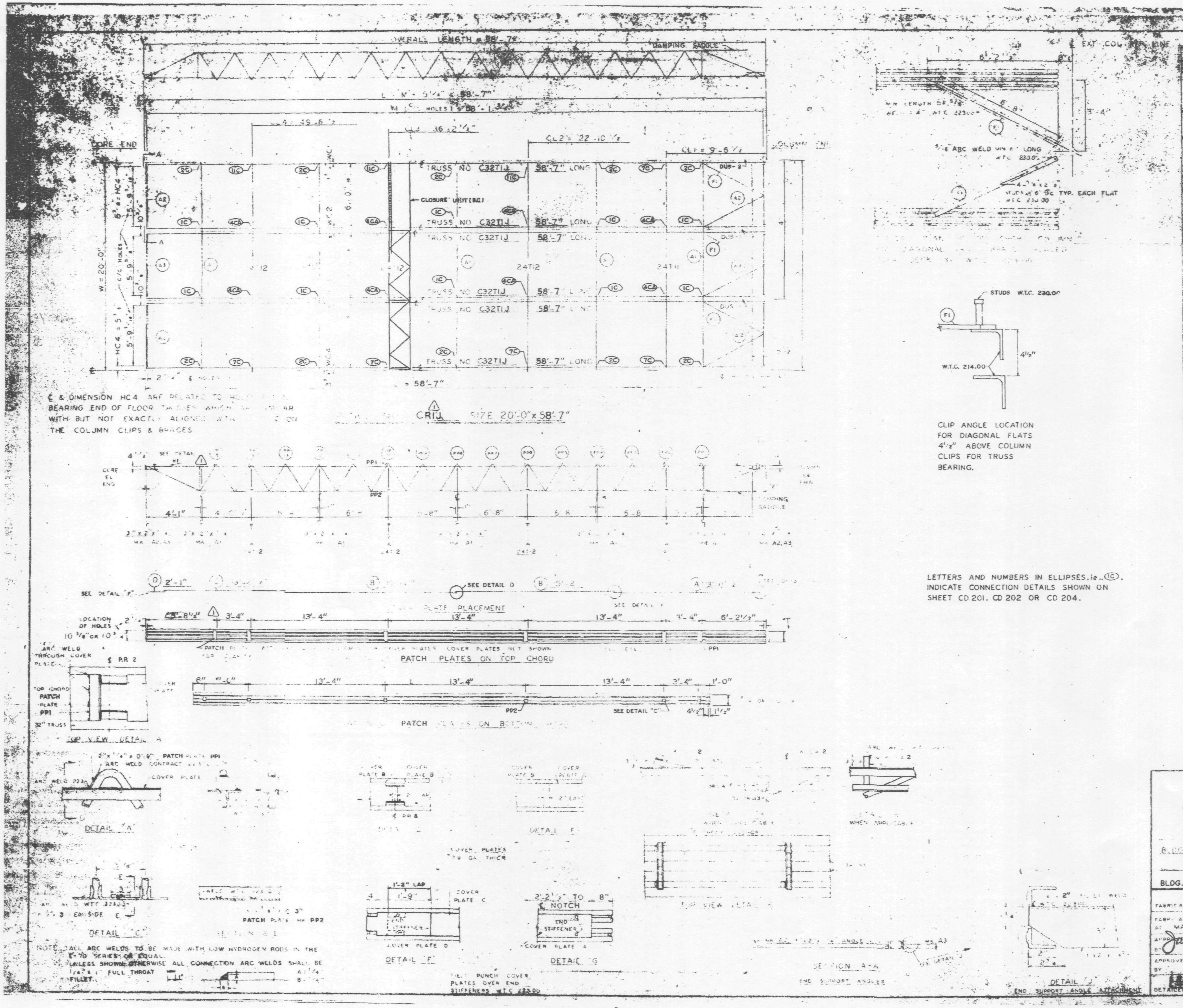
CHECKED BY T.M. CHURA DATE OCT 23, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY A.S. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. EP CRIH



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1J	6	C32T1J - 58'-7"	[illegible]
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT212
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	8	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 6'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4" x 0'-9"	ST 400
	PP2	18	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9"x 0.135"x 13'-11 1/2"	ST 303
	B	6	9" x 0.135" x 15'-2"	ST 303
	C	3	9" x 0.135" x 13'-2 1/2"	ST 303
	D	3	9" x 0.135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS4	2	[illegible] x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS 2	1	[illegible] x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 ∠s 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT 212, C2 904
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

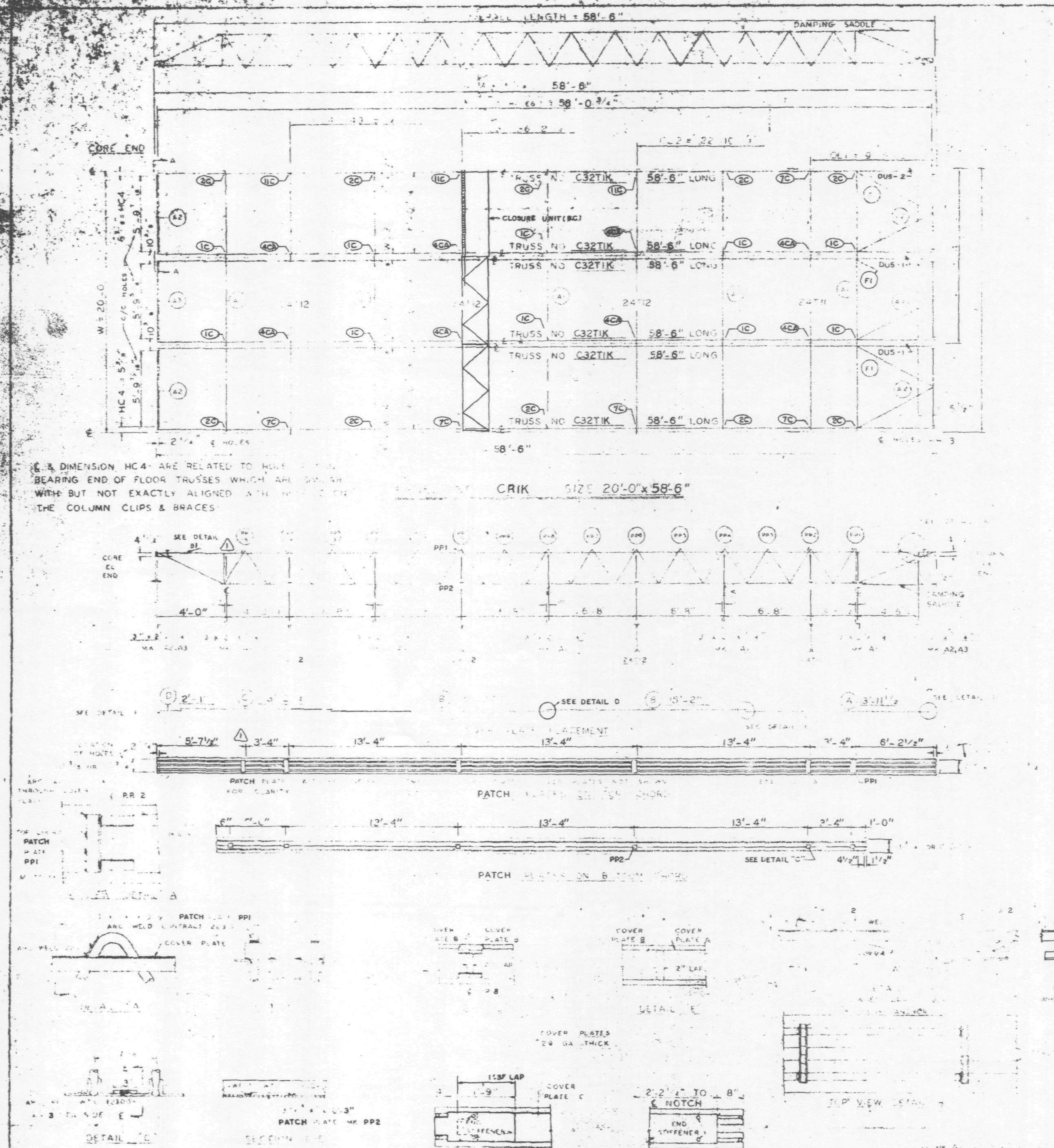
NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

REF. DRWG.	DATE
7-AB4-1	10-15-69
7-AB4-[illegible]	7-22-68
7-AB4-41	7-22-68
SA [illegible]	1-6-69
7-AB[illegible]	1-3-68
[illegible]	7-22-68
[illegible]	7-22-68
7-AB4-42	10-15-69

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

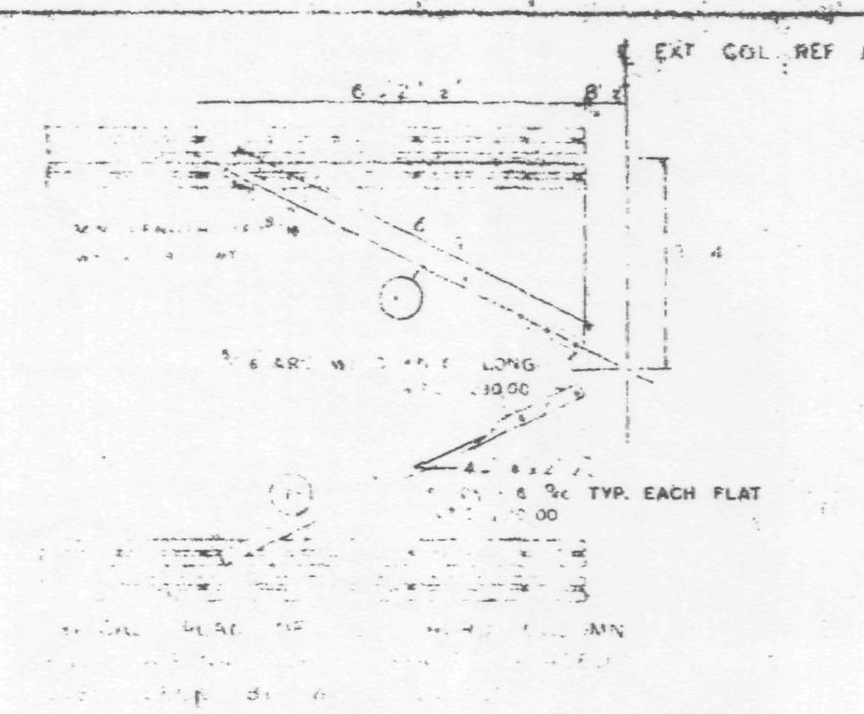
BLDG. A FLOORS 40 (N)
PANEL CRIJ [illegible] x 58'-7"
BLDG. B FLOORS 40 (WEST) (1)

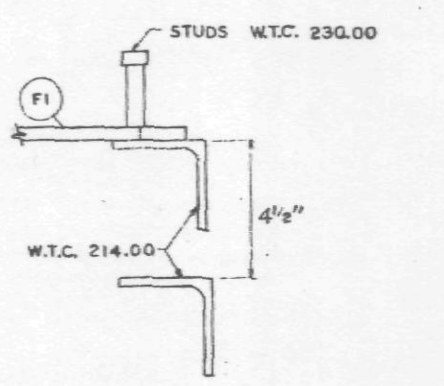
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-8 [illegible] PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M.CHURR[illegible] DATE OCT 23, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. [illegible]
SHEET NO. CRIJ



% DIMENSION HC4 ARE RELATED TO HOLE IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH THE COLUMN CLIPS & BRACES.

CRIK SIZE 20'-0" x 58'-6"





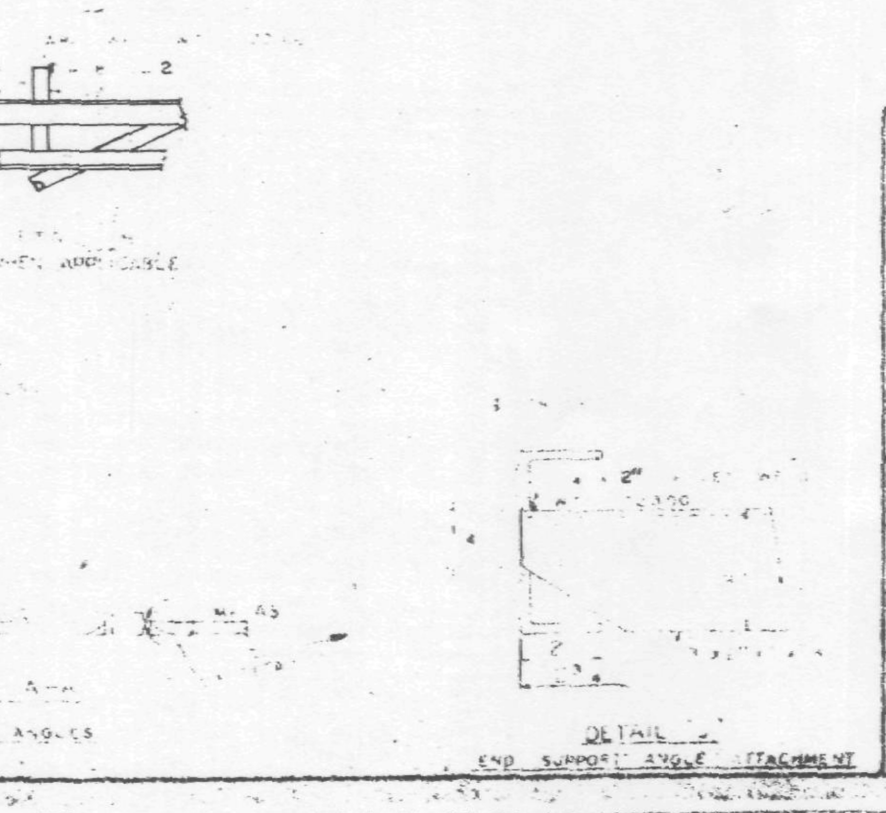
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1K	6	C32T1K - 58'-6"	ST201K
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT 212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x18'-11"	ST 408
	A2	4	3"x2"x1/4"x5'-11 9/16	ST 408
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 408
DIAGONAL FLATS	F1	6	1 1/2"x 3/8"x 8'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	18	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	3	[illegible] x 0.35"x 13'-11 1/2	ST303
	B	6	9"x .0135"x 15'-2"	ST303
	C	3	9"x .0135"x 13'-2 1/2	ST303
	D	3	[illegible] x 0.135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-8 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-8 7/8"	ST298
CONNECTION BAR	CB1	4	1" [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 -1 1/2"x 1 1/4"x .230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

[illegible]	10-15-68
[illegible] 38 & 39	7-22-68
AB4 41	7-22-68
[illegible]	1-6-69
7 AB3-2	1-3-68
[illegible]	7-22-68
7-AB[illegible] 5,7	7-22-68
7-AB4-42	10-15-68

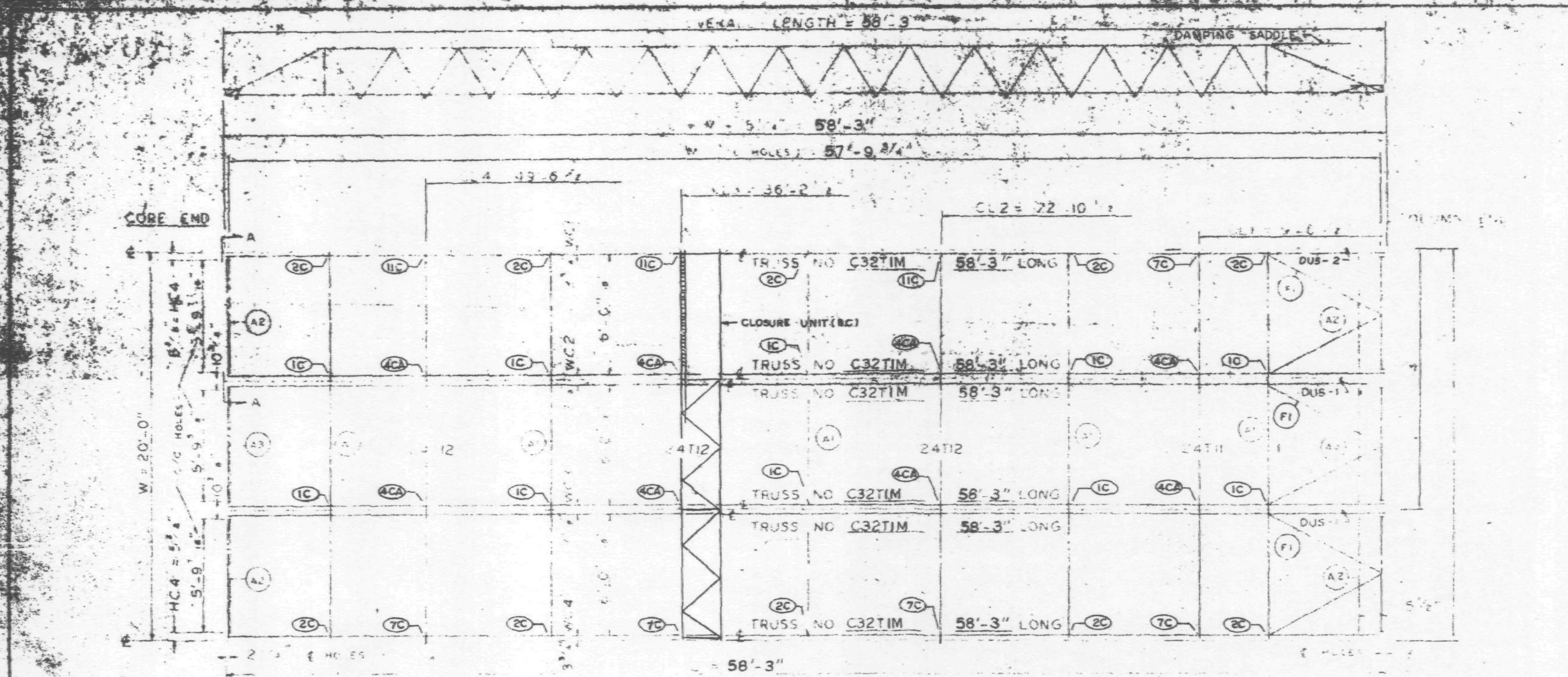


FLOOR PANEL DETAILS
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. FLOORS 45-46 (S) 46(N)
PANEL CRIK 20'-0" x 58'-6"
BLDG. B FLOORS 45 (EAST) 46 (EAST & WEST)

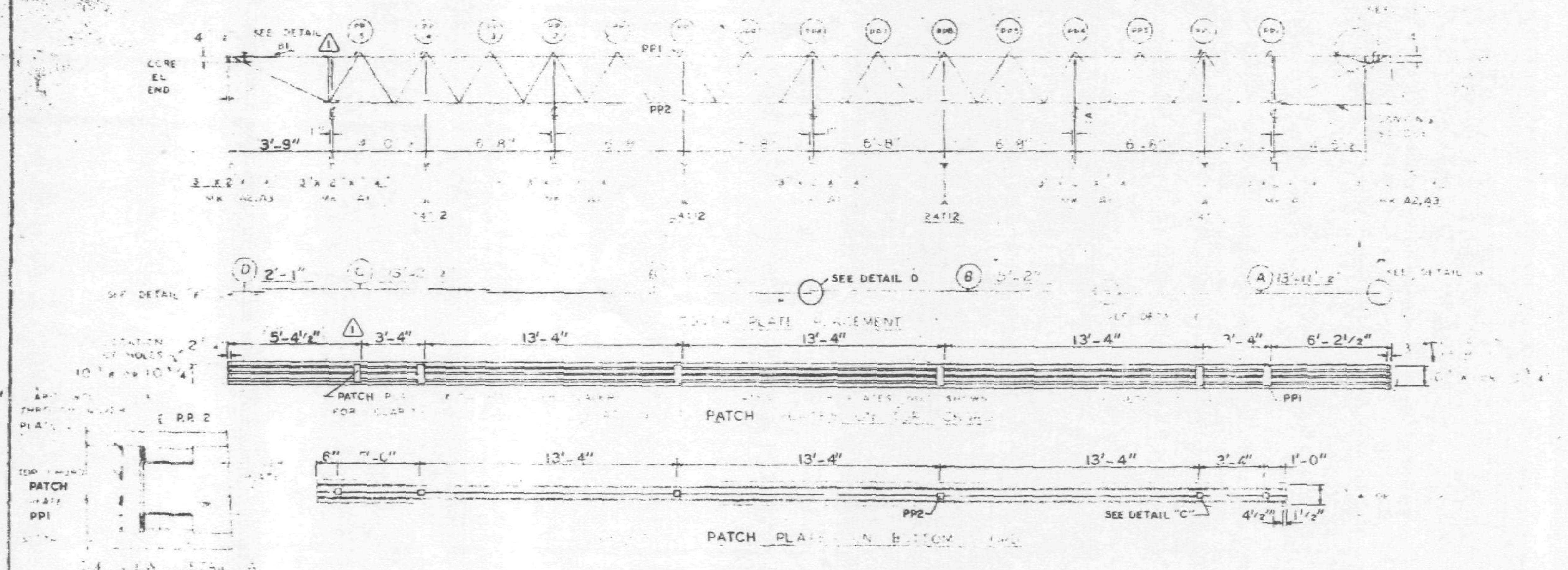
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-8
APPROVED FOR FABRICATION BY James White P.N.Y.A. DATE 1/2/70
DRAWN BY [illegible] DATE OCT 23, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M.CHURA DATE OCT 23, 1968
IN CHARGE OF PROD. [illegible]
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CRIK

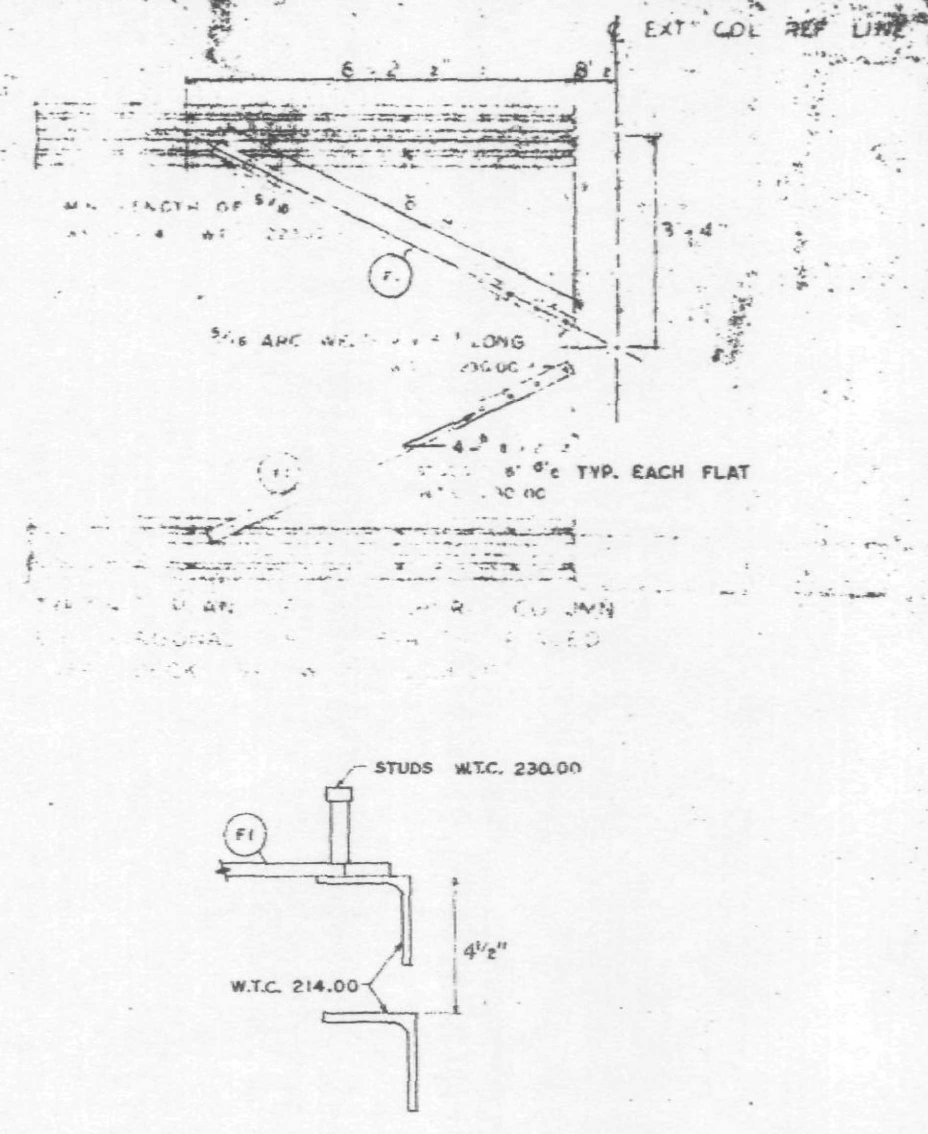
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E 70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE [illegible] FULL THROAT FILLET. A = 1/4" B = 1/4"



℄ & DIMENSION HC4 ARE RELATED TO HOLES ... BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH ... THE COLUMN CLIPS & BRACES

PANEL NO. CRIM SIZE 20'-0" x 58'-3"



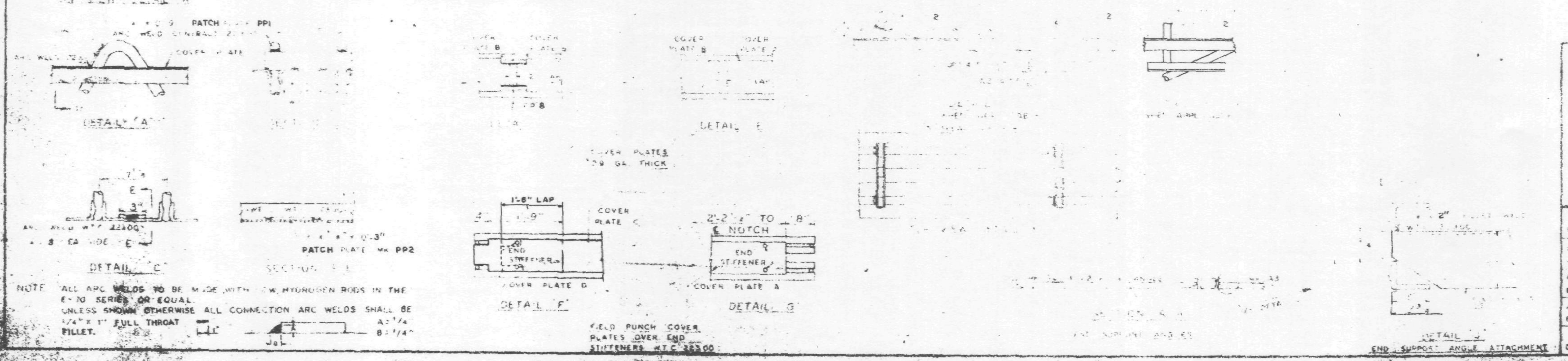


CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF'S DRWGS
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIM	6	C32TIM - 58'-3"	ST201M
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-6"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11½"	ST303
	B	6	9" x 0.135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2½"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#5 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1"# x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-#-1½" x 1¼" x .230 x 6'-6½"	BT212 CD-204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼" x 1" FULL THROAT FILLET.

WORLD TRADE CENTER ... FOR THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 72-73 (N)

PANEL CRIM SIZE ... x 58'-3"

BLDG. B FLOORS 72-73 (WEST) △1

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8 PLATE [illegible]

APPROVED FOR FABRICATION BY James White FOR P.N.Y.A. DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 1968

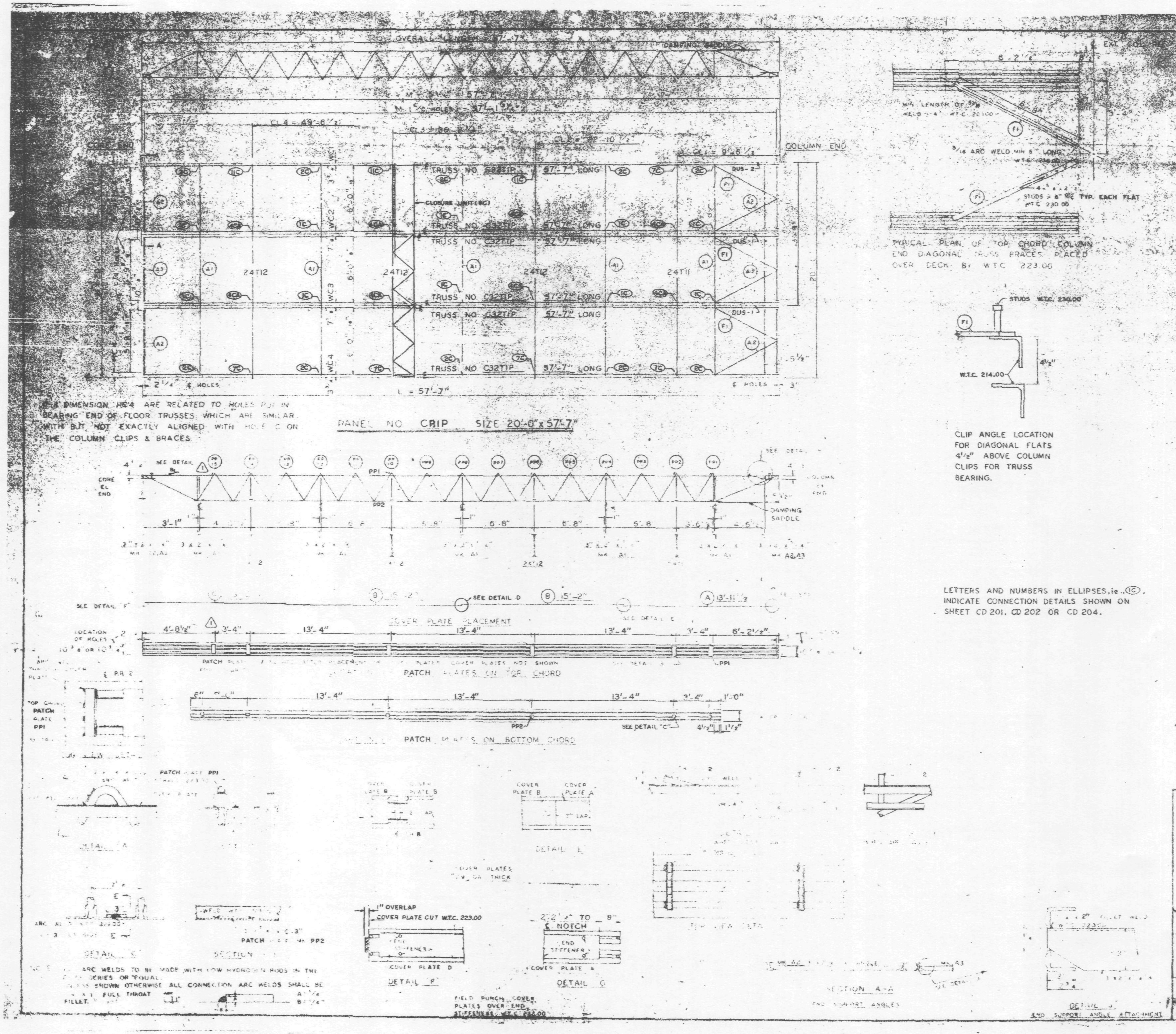
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. DATE

CHECKED BY T.M. CHURA DATE OCT 23, 1968 IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. CRIM



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1P	5	C32T1P x 57'-7"	[illegible]
BRIDGING TRUSSES	T11	1	24T11 x 19'-1"	[illegible]
	T12	3	24T12 x 19'-[illegible]	[illegible]
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x [illegible]	[illegible]
	A2	4	3" x 2" x ¼" x [illegible]	[illegible]
	A3	2	3" x 2" x ¼" x [illegible]	[illegible]
DIAGONAL FLATS	F1	5	1½" x [illegible]	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135 x [illegible]	[illegible]
	B	6	9" x .0135" x 13'-[illegible]	[illegible]
	C	3	9" x .0135" x 13'-[illegible]	[illegible]
ANGLE CLIPS	CL	21	2" x 1½" x [illegible]	[illegible]
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x [illegible]	[illegible]
DAMPING SADDLE	DUS-1	2	3½" x 3½" x [illegible]	[illegible]
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST [illegible]
CONNECTION BAR	CB1	4	1⅞" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1½" x 1¼" x .230 x 6'-6½"	[illegible] CD 204
CONNECTION PLATES	PC	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .30" x 0'-9"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400

NO.	DATE	REVISIONS	BY
1	6-9-69	AS NOTED	[illegible]

REF. DWG.	DATE
[illegible]	10-15-68
[illegible]	7-22-68
[illegible]	7-22-68
SA-2	1-6-69
AB3	[illegible]
AB	7-22-68
AB [illegible]	7-22-68
AB [illegible]	10-15-68

AUTHORITY

74 (N)

PANEL CRIP 20'-0" x 57'-7"

BLDG. B FLOORS 74 (WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White FOR PONYA — DATE 1/2/70

APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE

DETAILED BY A.C. WEBER

DESIGN DRAWING NO 7-AB3-B — PLATE

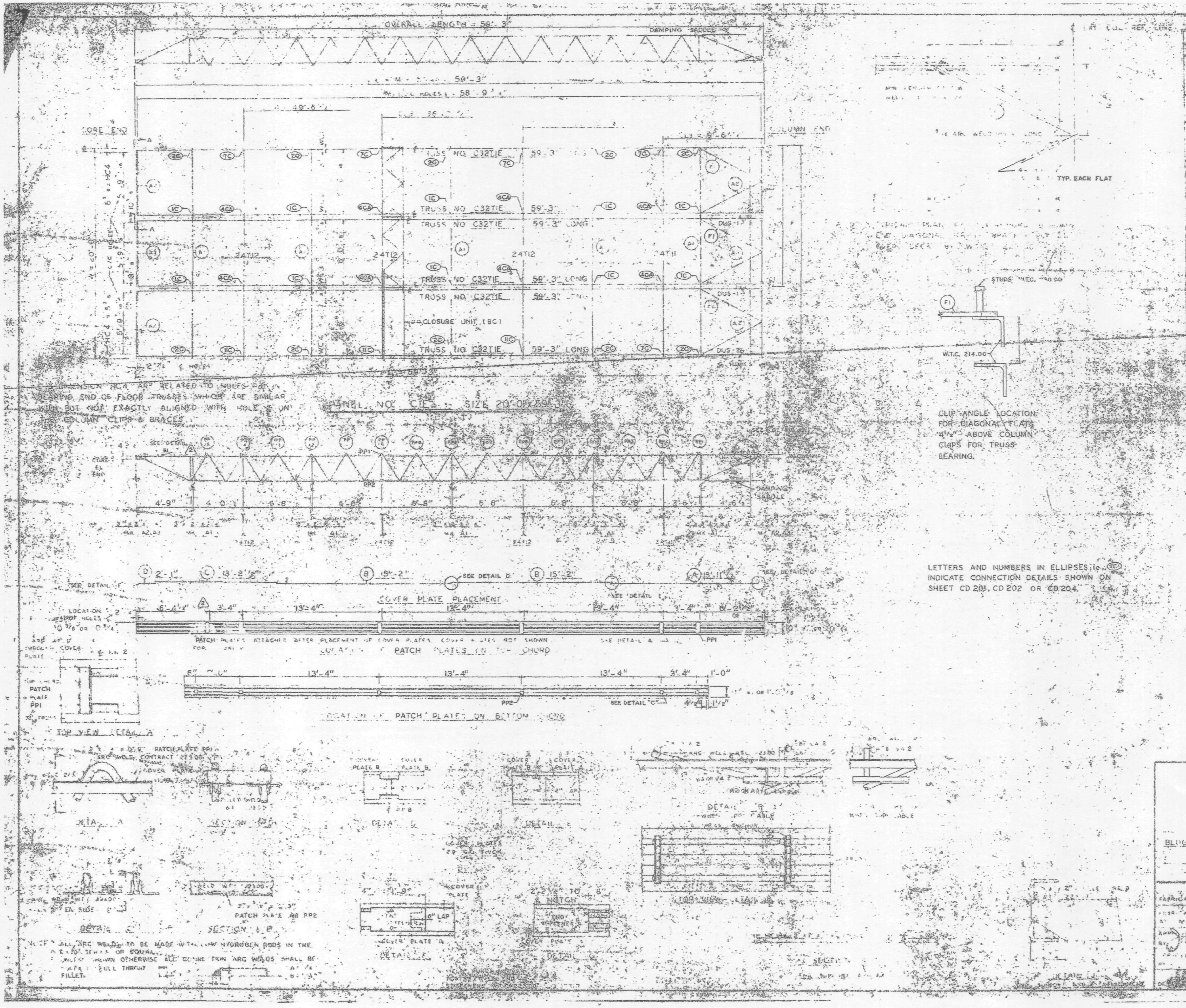
DRAWN BY [illegible] DATE OCT 23, 1968

CHECKED BY T.M. CHURA DATE OCT 23, 1968

IN CHARGE OF PROD. REV.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP-CRIP



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	6	C32TIE - 59'-3	[illegible]
BRIDGING TRUSSES	T11	1	24T[illegible]	[illegible]
	T12	3	24T12 - 9'-11"	ST 212
ANGLE	A1	3	3 x 2" x [illegible]	ST 403
	A2	4	3 x 2" x ¼ x 5'-1⅝"	ST 403
	A3	2	3 x 2" x ¼ x [illegible] ¾"	ST 403
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] x 0'-3"	ST 400
COVER PLATES	A	3	9 x 0.135 x 3'-[illegible]	ST 303
	B	6	9 x 0135 x 15'-2"	ST 303
	C	3	9" x 0135 x 13'-[illegible]	ST 403
	D	3	9" x 0135 x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½ x ¼ x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½ x 3½ x ⅜ x 3-6⅞	ST 296
	DUS-2	1	3½ x 3½ x ⅜ x 5-6⅞	ST 296
CONNECTION BAR	CB1	4	1½ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1½ x 1¼ x [illegible] 230 x 6'-6½"	ST 212
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

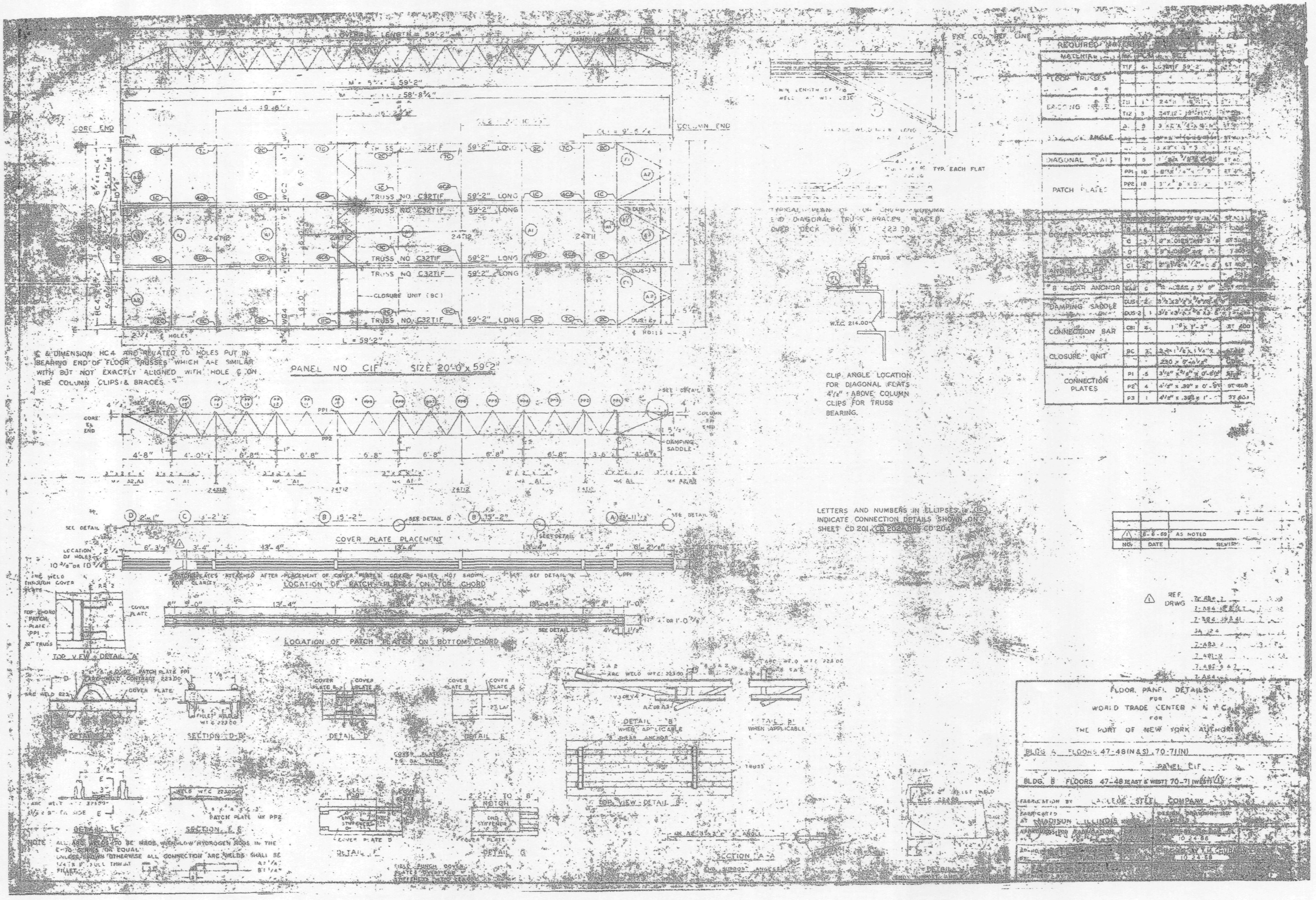
NO.	DATE	REVISION	BY
2	6-6-68	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.H.C.

7 AB3 [illegible]	9-15-68
AB3 [illegible]	7-22-68
AB6 41	7-22-68
SA-12 [illegible]	1-6-69
AB3 2	[illegible]
[illegible] 2	7-22-68
AB2 6 & [illegible]	7-22-68
AB4 42	10-15-68

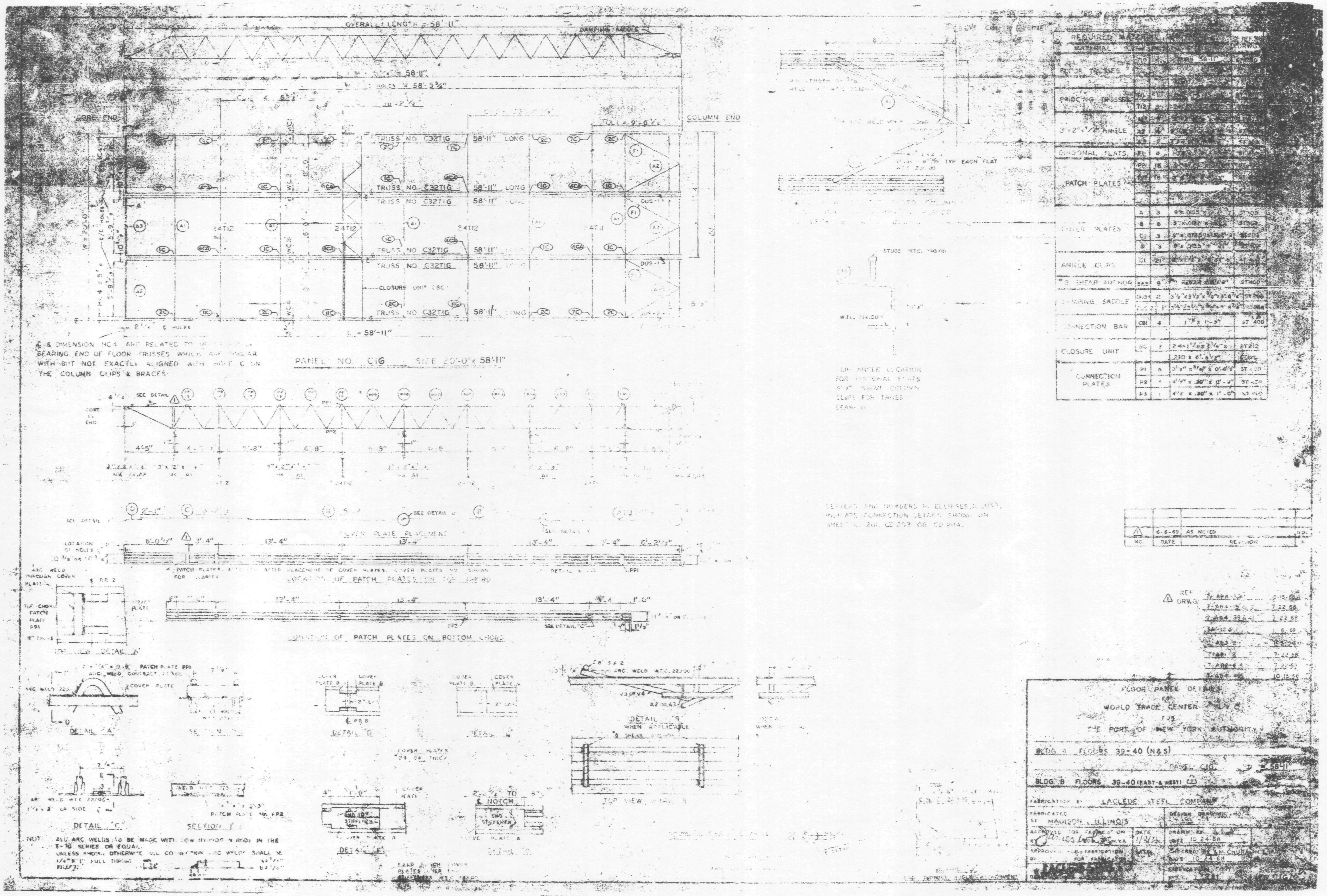
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
PORT OF NEW YORK AUTHORITY

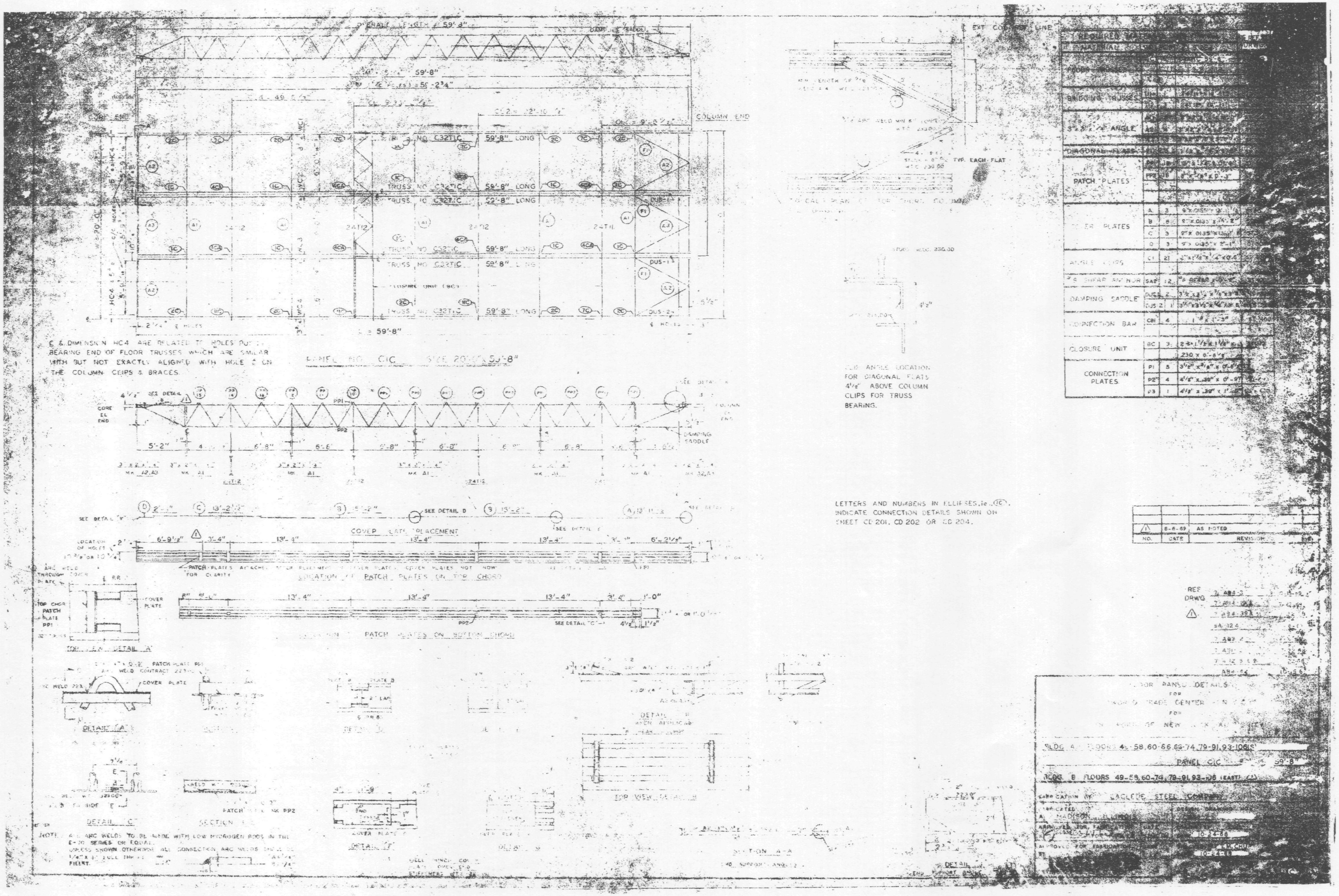
BLDG A [illegible] 10-11 (NORTH & SOUTH)
PANEL Y.IE [illegible] 59-3

FABRICATION BY LACLEDE STEEL COMPANY
[illegible] AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-7
DRAWN BY [illegible] DATE APRIL 10, 1968
CHECKED BY J.R.PAUL DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. W [illegible] 221
SHEET NO. FP C1E

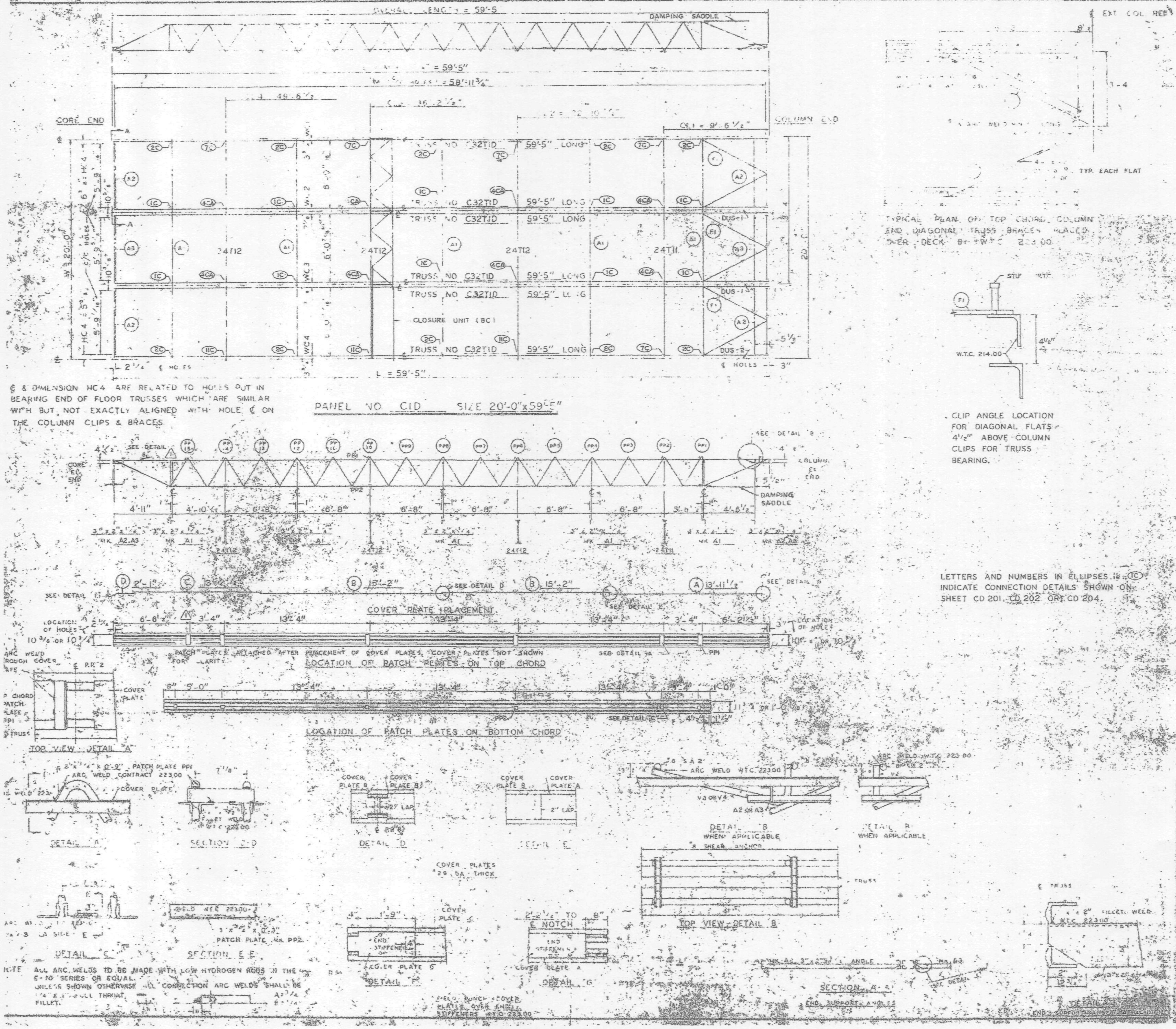


OVERALL LENGTH = 59'-2"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO. C32T1F 59'-2" LONG
CLOSURE UNIT (8C)
L = 59'-2"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES
PANEL NO. C1F SIZE 20'-0" x 59'-2"
TYP. EACH FLAT
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL
FLOOR TRUSSES
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204
AS NOTED
NO. DATE REVISION
REF. DRWG
TOP VIEW - DETAIL "A"
SECTION "D-D"
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
DETAIL "B1" WHEN APPLICABLE
TOP VIEW - DETAIL "B"
DETAIL "C"
SECTION "E-E"
DETAIL "F"
DETAIL "G"
SECTION "A-A"
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 47-48 (N & S), 70-71 (N)
PANEL C1F
BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
10-24-68


OVERALL LENGTH = 58'-11"
CORE END
COLUMN END
TRUSS NO. C32T1G 58'-11" LONG
CLOSURE UNIT (8C)
L = 58'-11"
PANEL NO. C1G SIZE 20'-0" x 58'-11"
BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR
WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON
THE COLUMN CLIPS & BRACES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON BOTTOM CHORD
DETAIL "A"
DETAIL "C"
REQUIRED MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG A FLOORS 39-40 (N&S)
PANEL C1G
BLDG B FLOORS 39-40 (EAST & WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DATE 10-24-68
CHECKED BY T.M. CHURA
DATE 10-24-68



COLUMN END
CORE END
TRUSS NO. C32T1C 59'-8" LONG
PANEL NO. C1C SIZE 20'-0" x 59'-8"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
PATCH PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
AS NOTED
REF DRWG
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER FOR THE PORT OF NEW YORK AUTHORITY
PANEL C1C
LACLEDE STEEL COMPANY
MADISON
DETAIL "A"
DETAIL "C"
SECTION
DETAIL "F"
TOP VIEW DETAIL "B"
SECTION A-A
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" FILLET.



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TID	8	C32TID 59'-5"	ET201D
BRIDGING TRUSSES	TH	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	8	3"x2"x1/4"x19'-3"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-1 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/8" x 6" x 6'-9"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-8"	ST 400
	PP2	48	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135" x 13'-11 1/2	ST303
	B	6	9" x 0.135" x 15'-2	ST303
	C	3	9" x 0.135" x 3'-2 1/2	ST303
	D	3	9" x 0.135" x 2'-1"	ST303
ANGLE CLIPS	C1	2	2" x 1 1/2" x 1/4" x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400.
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	

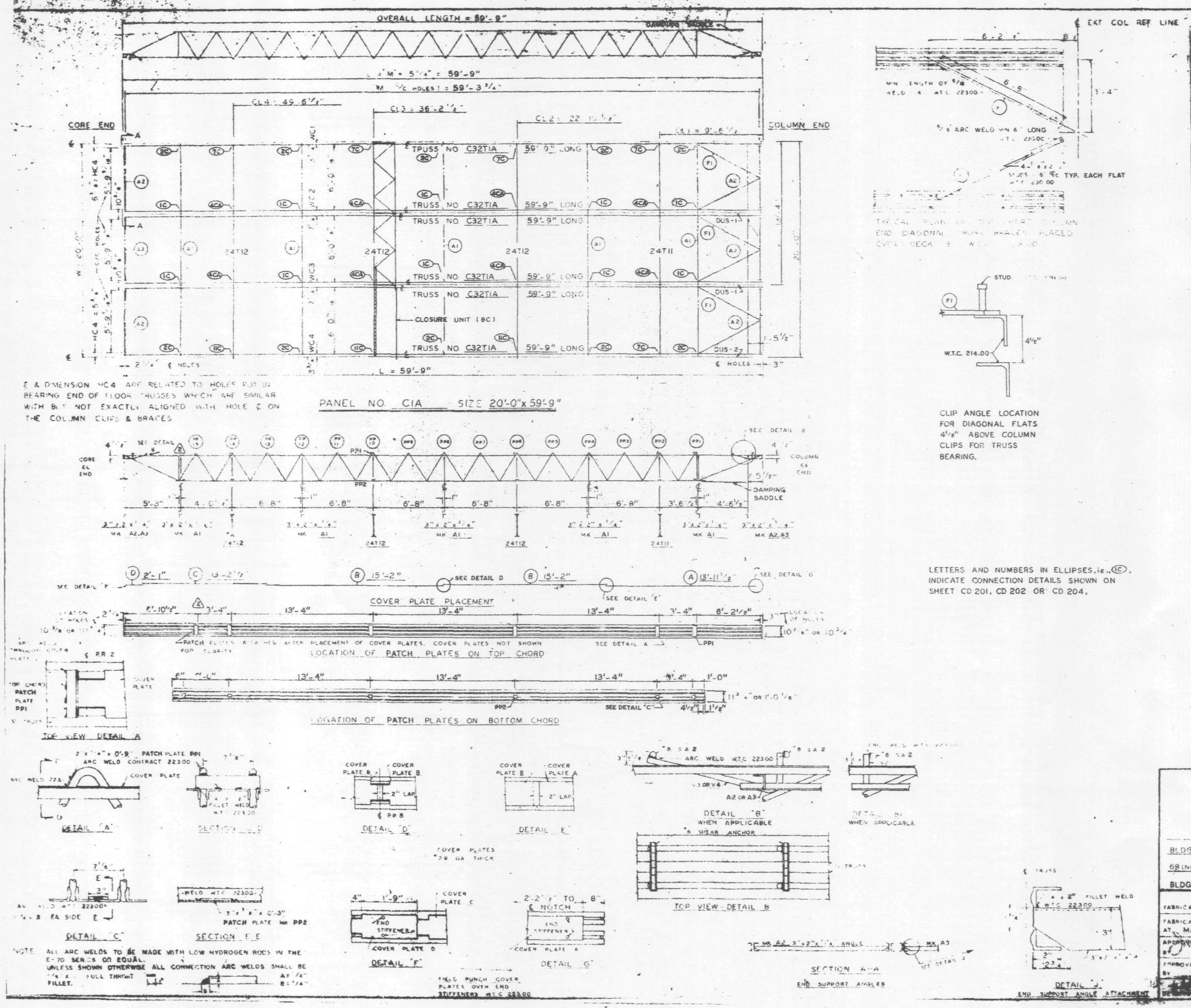
REF DRWG

7-AB4-33	10-15-68
7-AB4-18 & 16	7-22-68
7-AB4-39 & 41	7-22-68
SA-12 4	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 3	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 81-82 (N)
PANEL CID x 59'-5"
BLDG. B FLOORS 81-82 (WEST) 1

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-7
APPROVED FOR FABRICATION BY
DRAWN BY DATE 10-24-68
APPROVED FOR FABRICATION BY
CHECKED BY T.M. CHURA DATE 10-24-68
IN CHARGE OF
D



LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL [illegible] PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	[illegible]	ST201[illegible]
BRIDGING TRUSSES	T11	1	24T11 – 19'-11"	BT211
	T12	3	24T12 – 19'-11"	BT212
3" x 2" x ¼" ANGLE	A1	[illegible]	[illegible]	ST 403
	A2	4	3" x 2" x ¼" x 5'-11 [illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	2" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST303
	B	6	9" x .0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2½"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-8⅞"	ST298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-8⅞"	ST298
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 – 1½" x [illegible] x	ST212
			.230 x 6" x 8½"	[illegible]
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6⅛"	[illegible]
	P2	4	4½" x .30" x 0'-9"	ST 400
	P3	1	4½" x .30" x 1'-0"	ST 400

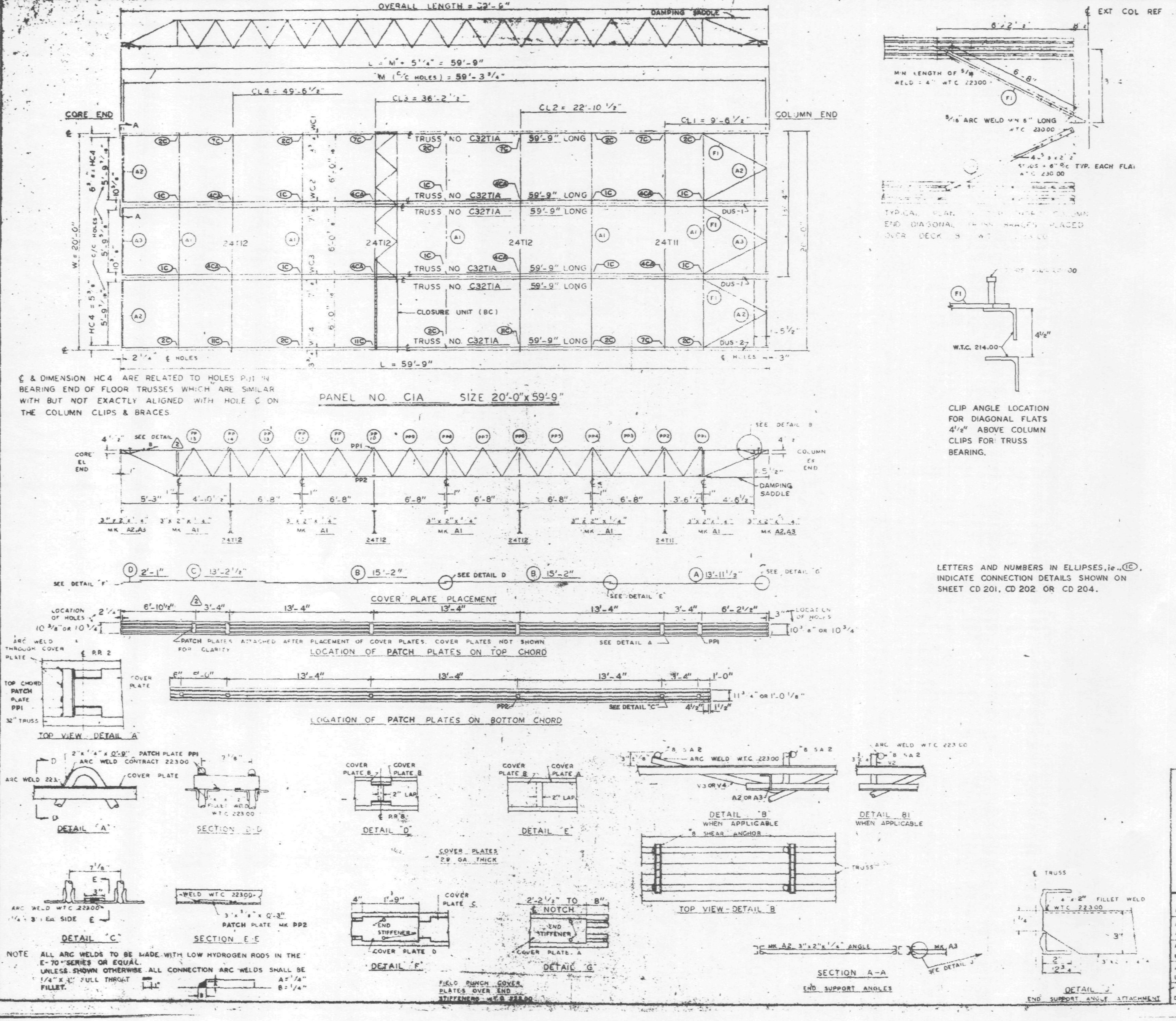
NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

REF DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 18	7-22-68
7-AB4-41	7-22-68
SA-12 4	1-5-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 12-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH) PANEL C1A – [illegible] x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB[illegible]-7
APPROVED FOR FABRICATION BY [illegible] FOR PONYA — DATE [illegible]
DRAWN BY [illegible] — DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY [illegible] — DATE
CHECKED BY [illegible] — DATE APRIL 10, 1968
FABRICATION CONT. NO. [illegible]



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	5	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS2	1	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1 1/2" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4-1 1/2"x1 1/4"x .230 x 6'-8 1/2"	BT 212 / CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
2	6-5-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

(2) REF. DRWG.

7-AB4-3	10-15-68
7-AB4-5 & 6	7-22-68
7-AB4-41	7-22-68
SA-124	1-5-69
7-AB3-?	1-3-68
7-AB1-2	7-22-68
7-AB2-5 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

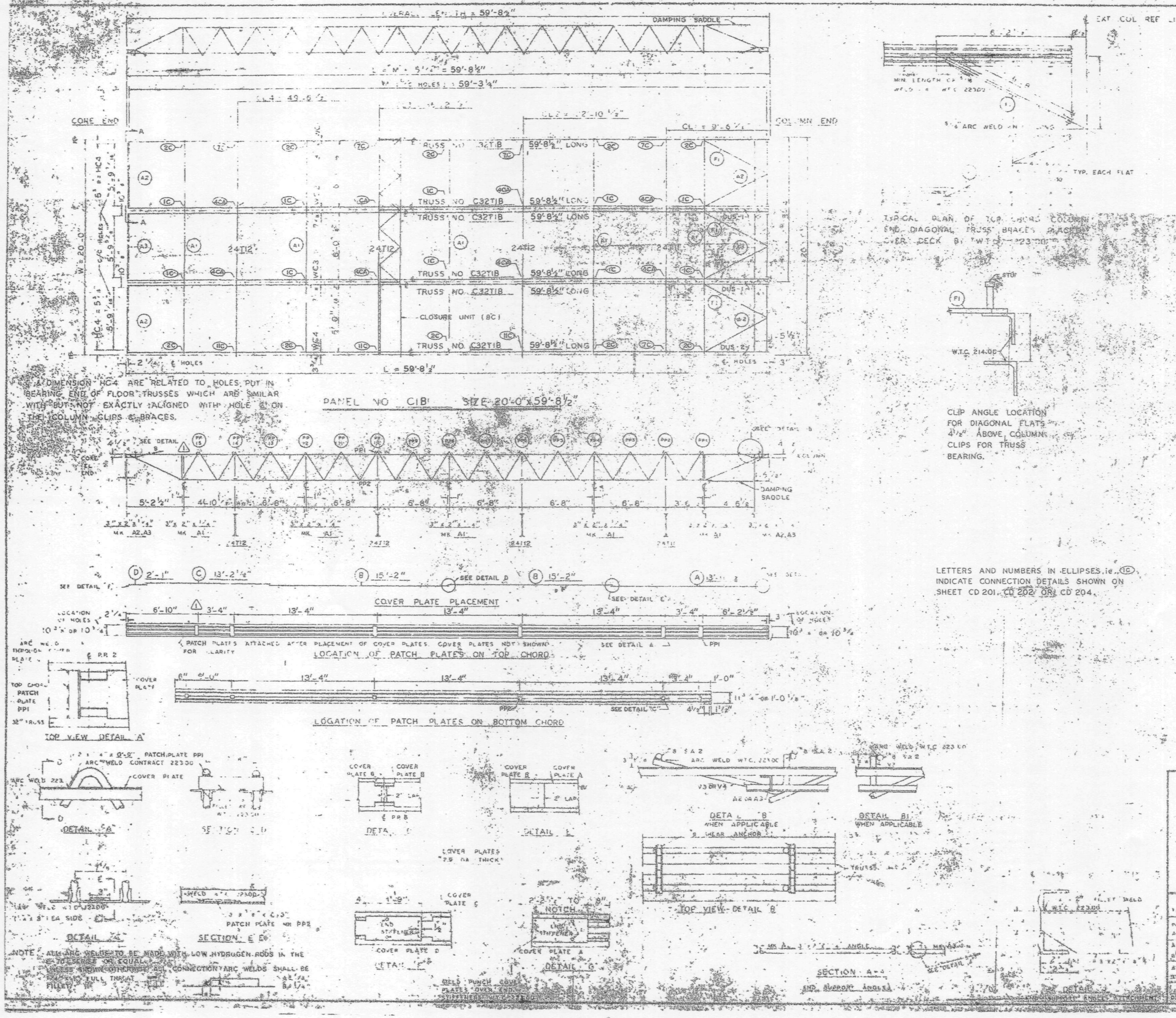
BLDG. A FLOORS 14-24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 (NORTH) PANEL C1A 20'-0" x 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST) (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY James White FOR PONYA — DATE 1/2/70
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
DETAILED BY

DESIGN DRAWING NO. 7-AB3-7 PLATE
DRAWN BY — DATE APRIL 10, 1968
CHECKED BY J.R. PAUL — DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP C1A



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	[illegible]
FLOOR TRUSSES	T1B	6	C32T1B 59'-8½"	[illegible] 7B
[illegible] TRUSSES	T12	3	24T [illegible]	[illegible]
[illegible] ANGLE	A1	5	3"x2"x¼"x 19'-11"	ST [illegible]
	[illegible]	4	[illegible]	ST [illegible]
				ST 402
PATCH [illegible]	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	5	9" x .035" x 13'-11½"	ST 303
	B	6	9" x .035" x 15'-2"	ST 303
	C	3	9" x .0135" x 15'-2½"	ST 403
	D	3	[illegible] x .33" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-5	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3½" x 3½" x ⅜" x 3'-8⅞"	ST 200
	DUS-2	1	3½" x 3½" x ¾" x 3'-8⅞"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	8C	3	2-1½" x 1¼" x	ST 212
			230 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-8½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-5-69	AS NOTED	

REF. DWGS.	
AB4-3	10-15-68
AB4-5 & 10	7-22-68
AB4-39 & 41	7-22-68
SA-124	1-6-69
7-AB3-2	[illegible]
7-AB1-2	7-22-68
7-AB2-8 & 9	7-22-68
7-AB4-42	10-15-68

[illegible] PANEL DETAILS

[illegible] N.Y.C.

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (N)

PANEL [illegible] x 59'-8½"

BLDG. B FLOORS 83-91, 93-106 (WEST) (1)

FABRICATION BY [illegible] STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION FOR P.O.N.Y.A. James White — DATE 1/2/70

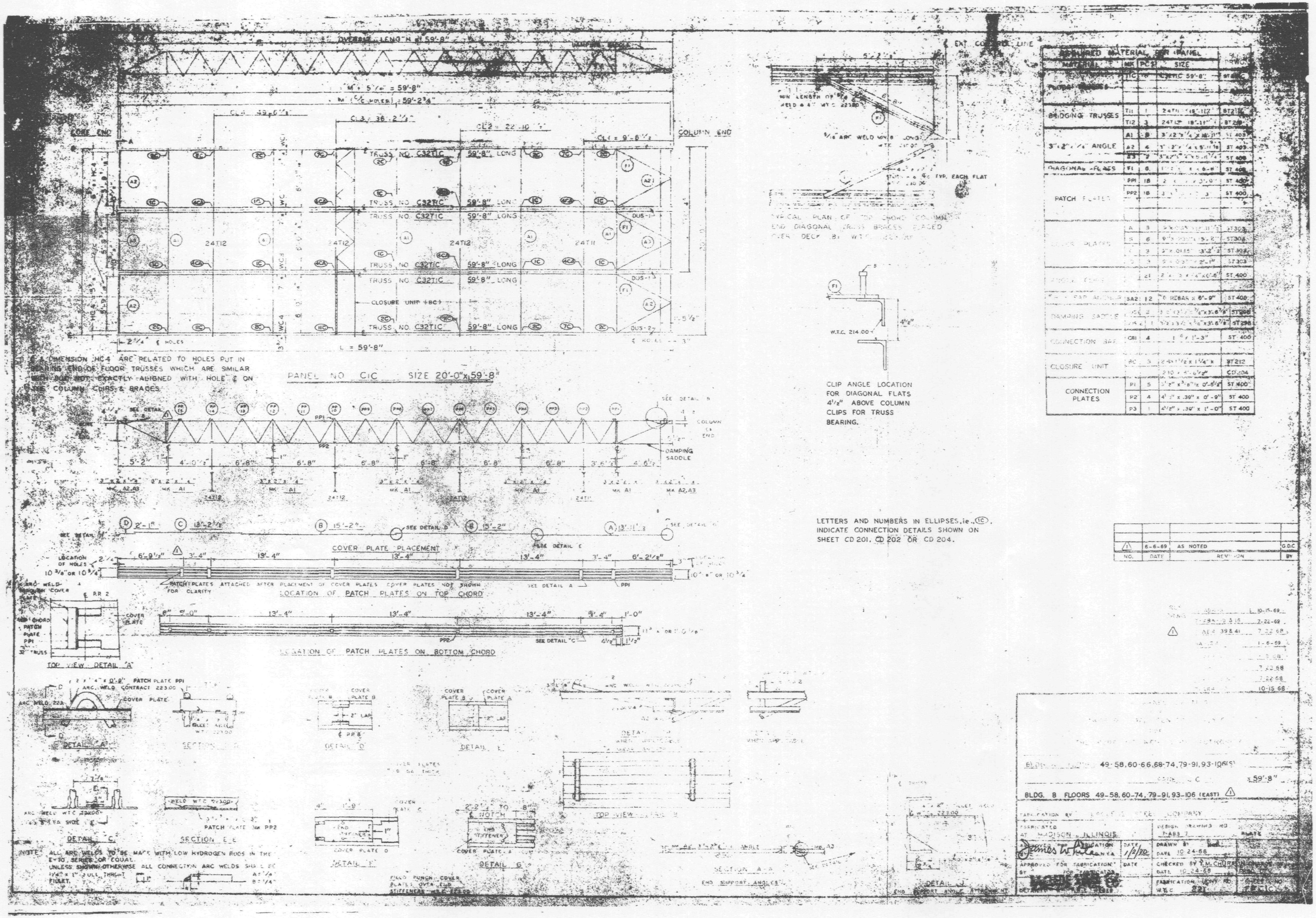
APPROVED FOR FABRICATION FOR FABRICATOR — DATE

DESIGN DRAWING NO. 7-AB3-2 — PLATE

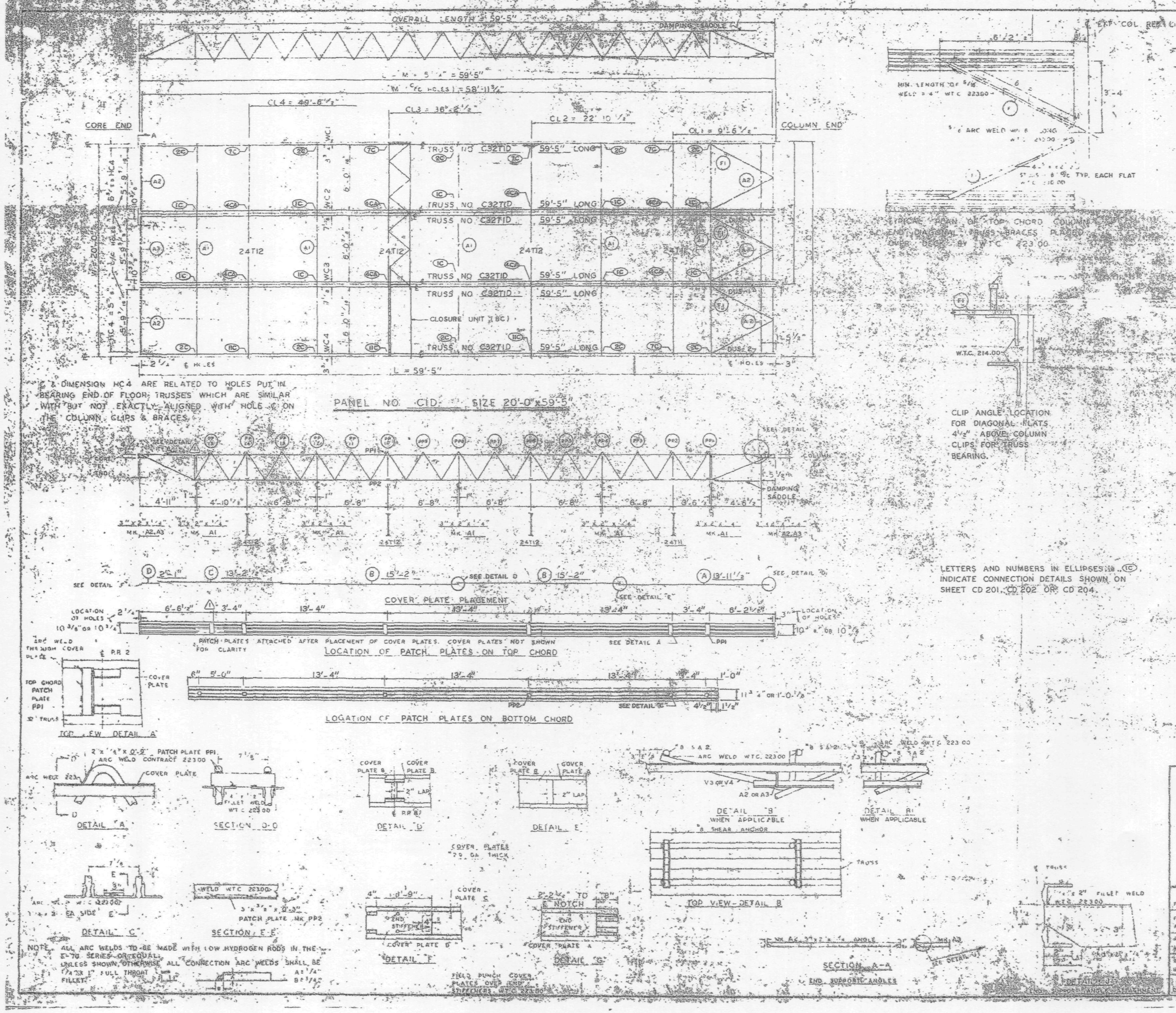
DRAWN BY [illegible] — DATE 10-24-68

CHECKED BY T.M. CHURA — DATE 10-24-68 — IN CHARGE OF PROD. DEPT.

FABRICATION CONT. NO. [illegible] — SHEET NO. CD 1[illegible]



OVERALL LENGTH = 59'-8"
M = 5'/8" = 59'-8"
CORE END
COLUMN END
TRUSS NO. C32T1C 59'-8" LONG
24T12
24T11
CLOSURE UNIT (8C)
L = 59'-8"
PANEL NO. C1C SIZE 20'-0" x 59'-8"
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL "A"
DETAIL "A"
DETAIL "C"
DETAIL "D"
DETAIL "E"
DETAIL "F"
DETAIL "G"
DETAIL "J"
SECTION E-E
SECTION A-A
END SUPPORT ANGLES
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL
REQUIRED MATERIAL PER PANEL
BRIDGING TRUSSES
3"x2½"x¼" ANGLE
DIAGONAL PLATES
PATCH PLATES
COVER PLATES
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
6-6-69 AS NOTED
NO. DATE REVISION BY
BLDG. 8 FLOORS 49-58, 60-74, 79-91, 93-106 (EAST)
49-58, 60-66, 68-74, 79-91, 93-106 (S)
FABRICATED AT MADISON, ILLINOIS
DRAWN BY DATE 10-24-68
CHECKED BY DATE 10-24-68
PACIFIC CAR & FOUNDRY CO.



LETTERS AND NUMBERS IN ELLIPSES (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1D	6	C32T1D 59'-5"	ST201D
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	ST 403
DIAGONAL FLATS	F1	[illegible]	[illegible] x 6-9	ST 402
PATCH PLATES	PP1	18	[illegible] 0'-9"	ST 400
	PP2	48	[illegible] 0'-3"	ST 400
COVER PLATES	A	3	9" x 0135" x 13'-11 1/2"	ST303
	B	6	9" x 0135" x 15'-2"	ST303
	C	3	9" x 0135" x 13'-2 1/2"	ST303
	D	3	9" x 0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

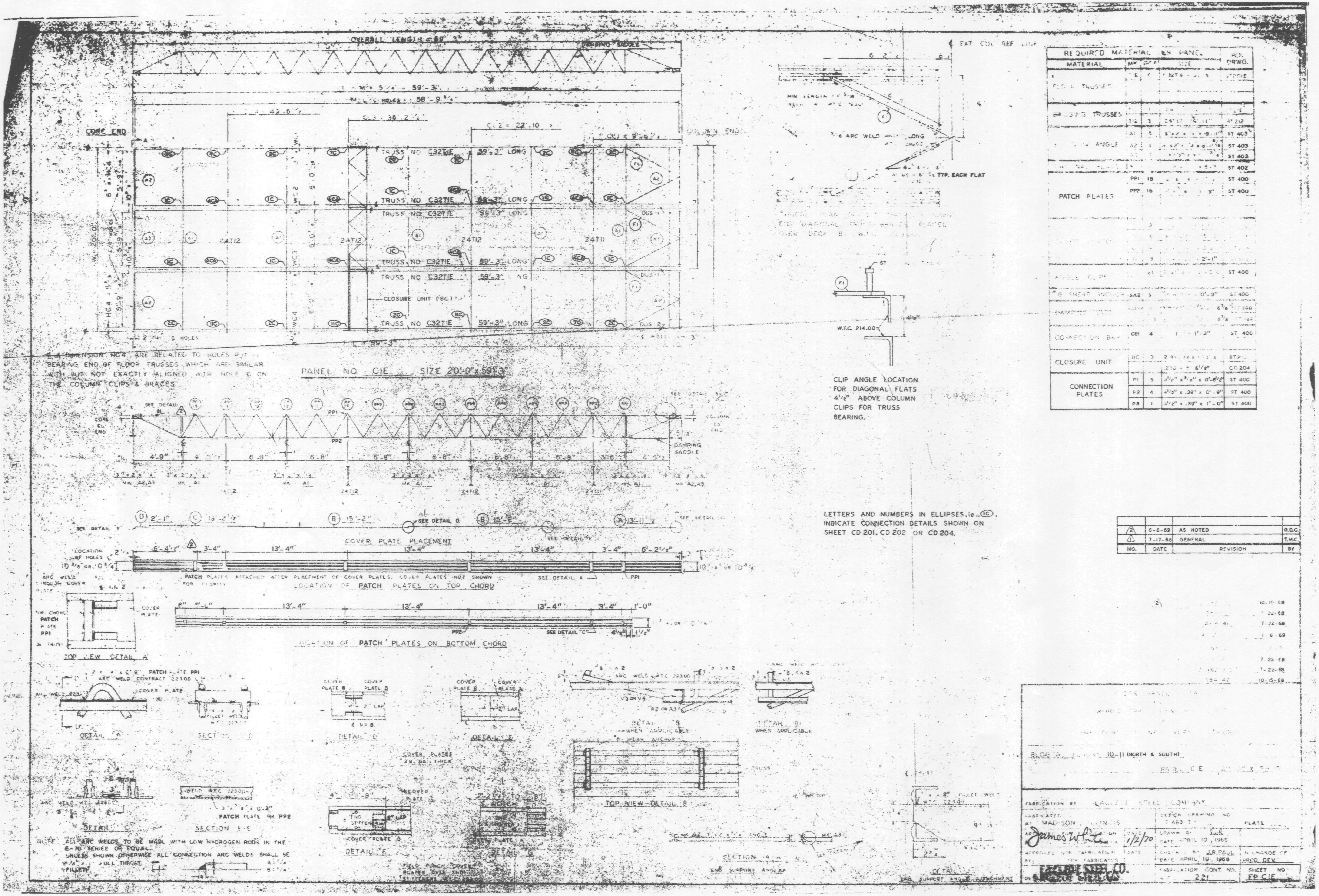
NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	D.D.I.

REF DRWG	
7-AB4-3,3,1	10-15-68
7-AB4-15 & 6	7-22-68
7-AB4 39 & 41	7-22-68
5A 24	1-6-69
7-AB3-2	1-3-68
7-AB1 2	7-22-68
7-AB2 F & 7	7-22-68
7-AB4-42	10-15-68

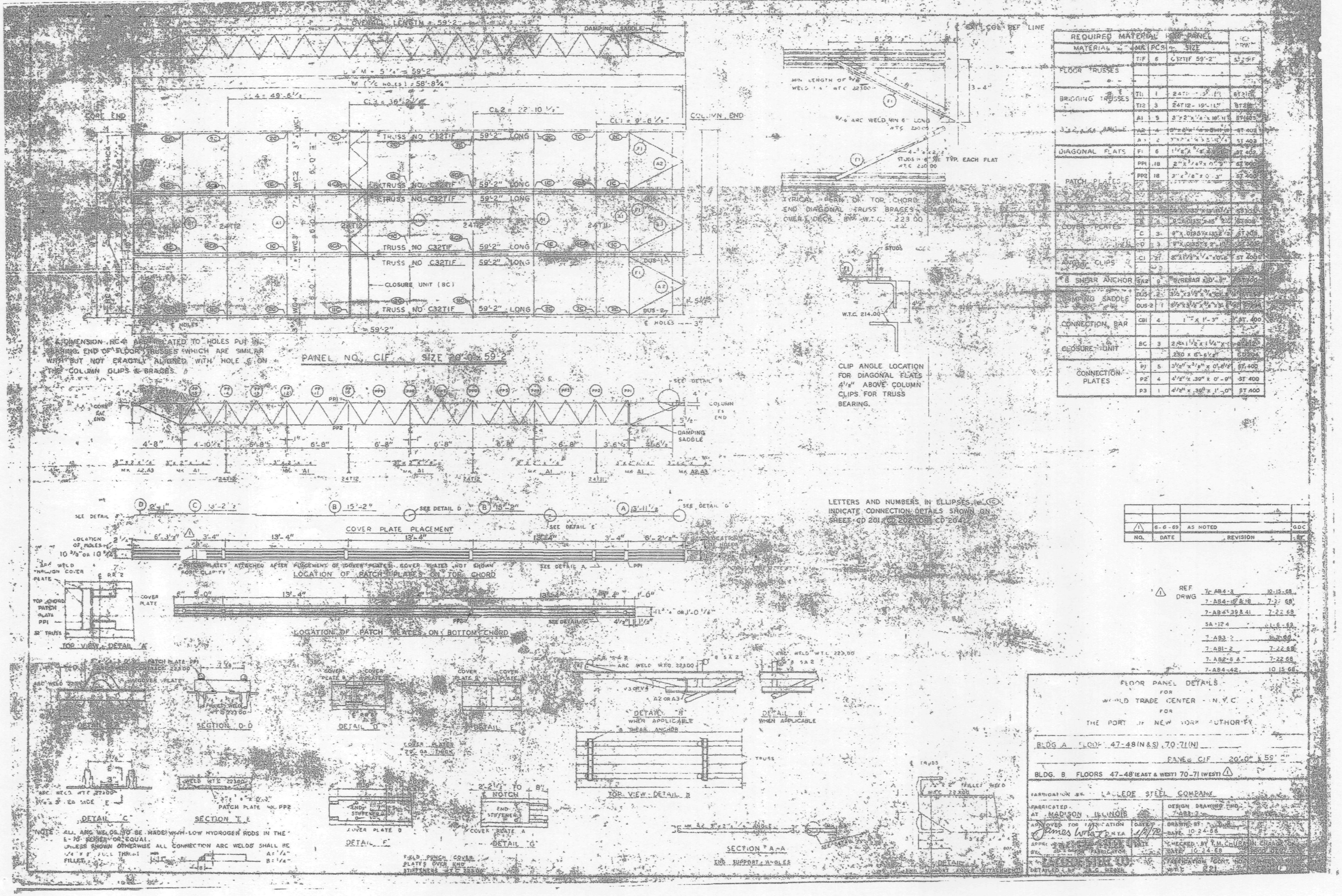
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (N)
PANEL C1D 20" x 59'-5"
BLDG. B FLOORS 81-82 (WEST) ⚠1

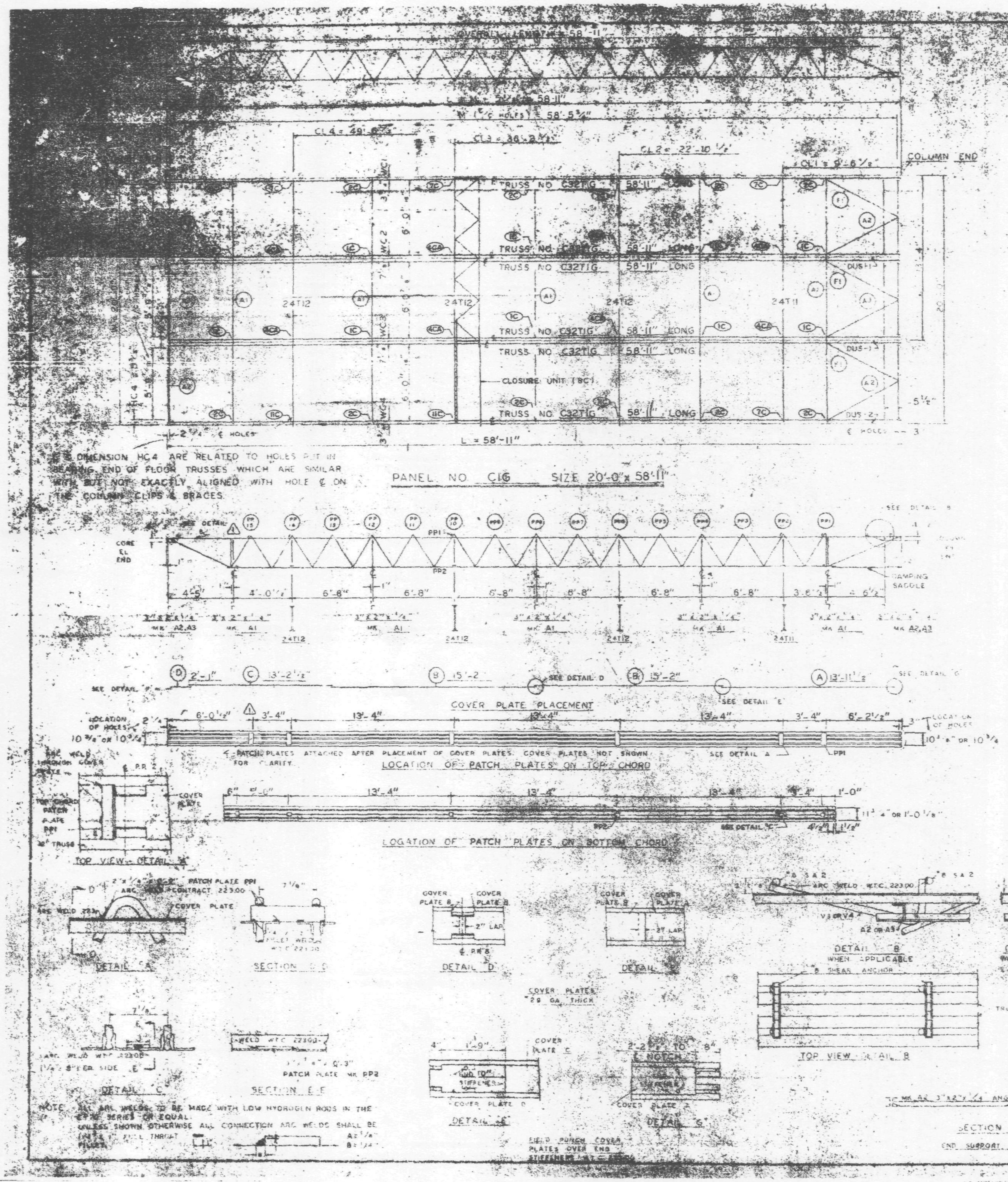
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3 2
APPROVED FOR FABRICATION BY James White N.Y.A. DATE 1/2/70
DRAWN BY DATE 10-24-68
APPROVED FOR FABRICATION DATE
CHECKED BY T.M. CHURA DATE 10-24-68
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP C1D



PANEL NO. C1E SIZE 20'-0" x 59'-3"
TRUSS NO. C32T1E 59'-3" LONG
CLOSURE UNIT (8C)
COLUMN END
CORE END
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL A
TOP VIEW DETAIL B
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
REQUIRED MATERIAL PER PANEL
PATCH PLATES
CLOSURE UNIT
CONNECTION PLATES
2 6-6-69 AS NOTED G.D.C.
1 7-17-68 GENERAL T.M.C.
NO. DATE REVISION BY
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FULL THROAT FILLETS.
BLDG A FLOORS 10-11 (NORTH & SOUTH)
FABRICATION BY LACLEDE STEEL COMPANY
AT MADISON, ILLINOIS
James White 1/2/70
DRAWN BY ... DATE APRIL 10, 1968
CHECKED BY J.R.P. DATE APRIL 10, 1968
SHEET NO. FP C1E
221

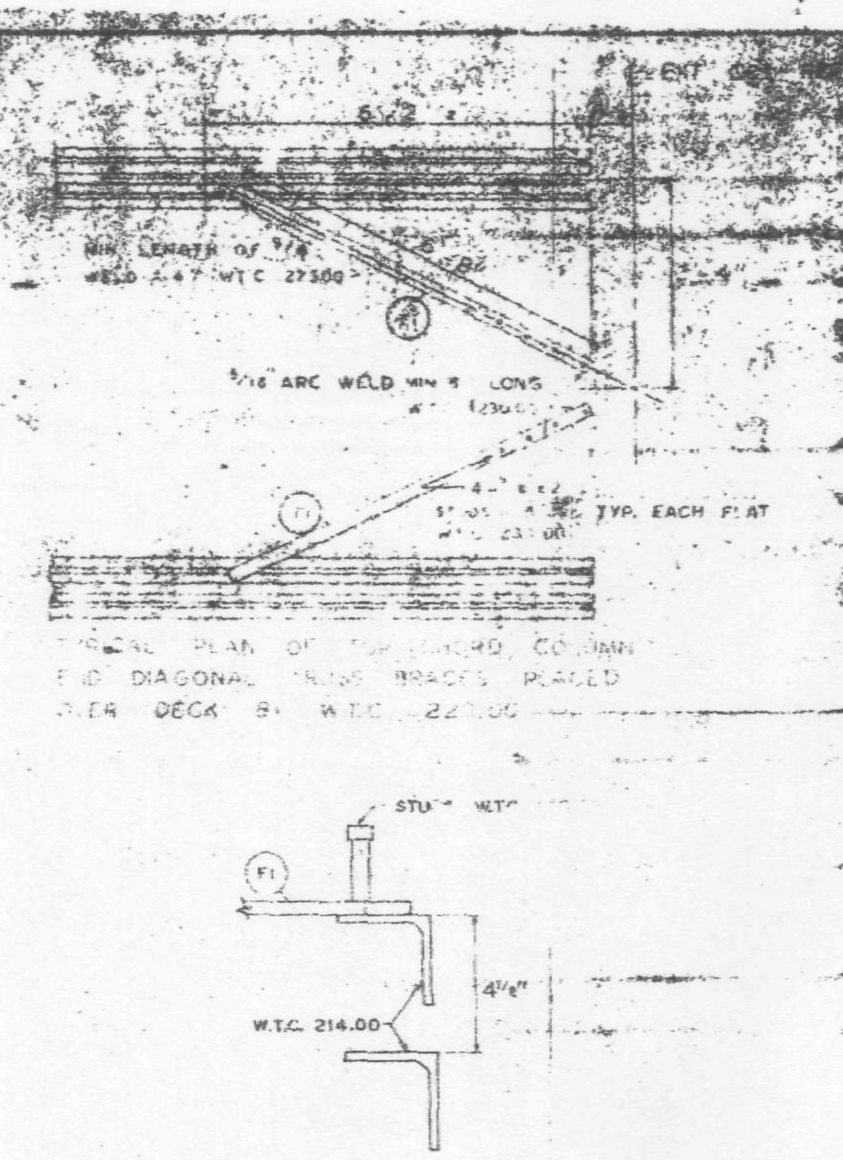


REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DRW
FLOOR TRUSSES	T1F	6	C32T1F 59'-2"	[illegible]
BRIDGING TRUSSES	T11	1	24T11 - [illegible]	BT21[illegible]
	T12	3	24T12 - 19'-11"	BT2[illegible]
3 x 2 x 1/4 ANGLE	A1	5	3" x 2" x 1/4" x 18'-11"	ST 403
	A2	4	[illegible]	ST 403
	A3	2	3" x 2" x 1/4" x 5'-13/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" [illegible]	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-3"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	8" x 1 1/2" x 1/4" x 0'-6"	ST 400
6 SHEAR ANCHOR	SA2	9	6 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 25[illegible]
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 25[illegible]
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 Ls 1 1/2" x 1 1/4" x [illegible]	[illegible]
			.230 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400



DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FILLETS.



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	6	C32T1G 58'-11"	ST 2G1G
BRIDGING TRUSSES	T-1	1	24T11 - 19'-1"	ST 2[illegible]
	T-2	3	24T12 - 19'-1"	ST 2[illegible]
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 400
	A2	4	3" x 2" x ¼" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	4	1½" x ¼" x 6'-8"	ST 402
PATCH PLATES	PP1	16	2" x ¼" x 0'-2"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-6"	ST 400
#5 SHEAR ANCHOR	SA2	9	#5 REBAR x 2'-0"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x 3/8" x 3'-8 7/8"	ST 290
	DUS-2	1	3½" x 3½" x 3/8" x 3'-8 7/8"	ST 290
CONNECTION BAR	CB1	4	1" ⌀ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1½" x 1½" x .030 x 0'-6½"	BT 212 / CD 204
CONNECTION PLATES	P1	4	3½" x 3/8" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

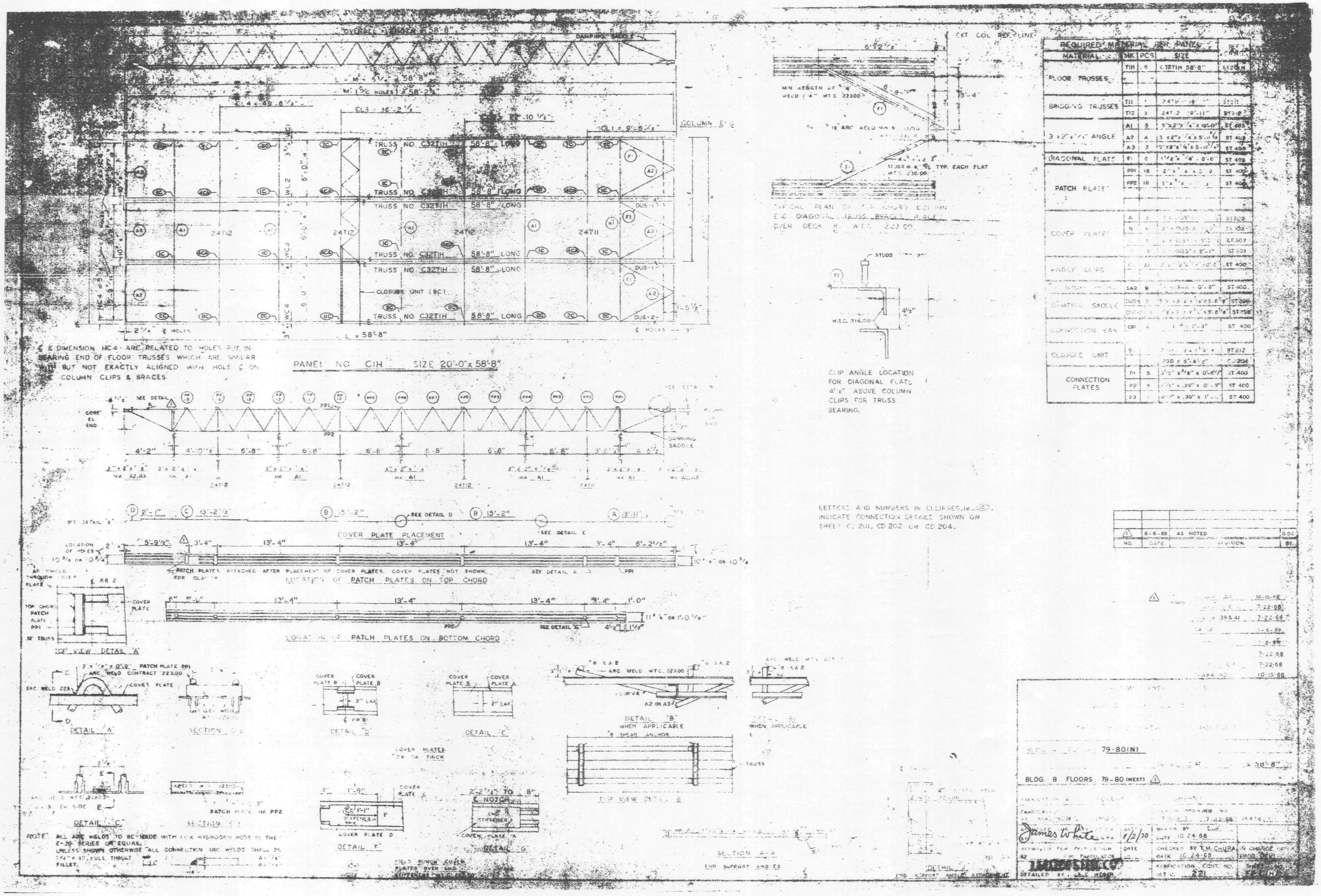
NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	GCC

7-AB4-[illegible]	10-15-68
7-AB4-3 & 4	7-22-68
AB4-39 & 41	7-22-68
SA-12-[illegible]	1-6-69
7-AB3-2	1-9-68
7-AB1-2	7-22-68
7-AB2-[illegible]	7-22-68
7-AB4-42	10-15-68

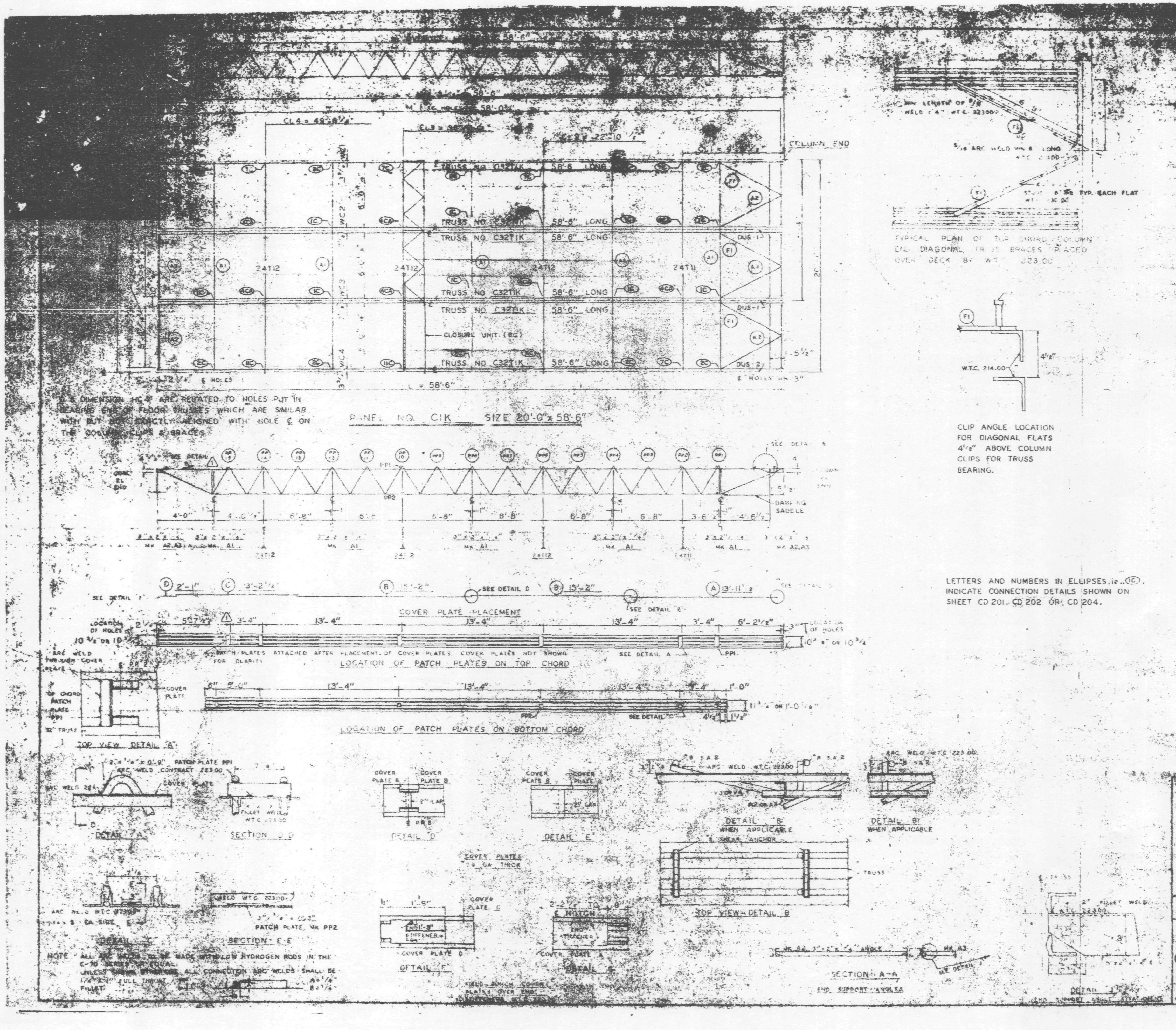
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (N & S)
[illegible] C1G [illegible] 20' x 58'-11"
BLDG. B FLOORS 39-40 (EAST & WEST) ⚠1

FABRICATED BY LACLEDE [illegible] COMPANY
FABRICATED AT MADISON, ILLINOIS
APPROVED FOR FABRICATION BY James White DATE 1/2/70
DRAWN BY [illegible] DATE 10-24-68
CHECKED BY T.M. CHURA DATE 10-24-68
FABRICATION CONT. NO. 221
SHEET NO. FP C1G



OVERALL LENGTH = 58'-8"
DAMPING SADDLE
EXT COL REF LINE
REQUIRED MATERIAL PER PANEL
MATERIAL
MK
PCS
SIZE
FLOOR TRUSSES
T1H
5
C32T1H 58'-8"
BRIDGING TRUSSES
3 x 2" x 1/4" ANGLE
DIAGONAL PLATES
PATCH PLATES
COVER PLATES
ANGLE CLIPS
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
COLUMN E-5
TRUSS NO C32T1H
58'-8" LONG
CLOSURE UNIT (8C)
24T12
24T11
L = 58'-8"
PANEL NO C1H SIZE 20'-0" x 58'-8"
C DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON COLUMN CLIPS & BRACES
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACE OVER DECK
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
DAMPING SADDLE
COVER PLATE PLACEMENT
SEE DETAIL D
SEE DETAIL E
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
6-6-69 AS NOTED
NO. DATE REVISION BY
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL "A"
DETAIL "A"
SECTION
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
WHEN APPLICABLE
TOP VIEW DETAIL B
DETAIL "C"
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLES
END SUPPORT ANGLE ATTACHMENT
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1 1/2" FULL THROAT FILLET.
79-80(N)
BLDG. B FLOORS 79-80 (WEST)
James White
1/2/70
DRAWN BY
DATE 10-24-68
CHECKED BY T.M. CHURA
DATE 10-24-68
DETAILED BY



[illegible]	MK	PCS	SIZE	REF DRWG
FLOOR TRUSSES	[illegible]	6	C32T1K 58'-6"	[illegible]
BRIDGING TRUSSES	T11	1	24T11 - 19'-10"	BT211
	T12	2	24T12 - 19'-11"	BT212
3" x 2" x 1/4" ANGLE	A1	[illegible]	[illegible]	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 5/16"	ST 403
	A3	3	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	[illegible]	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	[illegible] x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/4" x 3'-6 7/8"	ST 283
	DUS-2	1	3 1/2" x 3 1/2" x 3/4" x 3'-6 7/8"	ST 283
CONNECTION BAR	CB1	4	1" [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 1/2" x 1 1/2" x 1 1/4" x .220 x 6'-6 1/2"	BT212 / CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-6-69	AS NOTED	G.D.C.

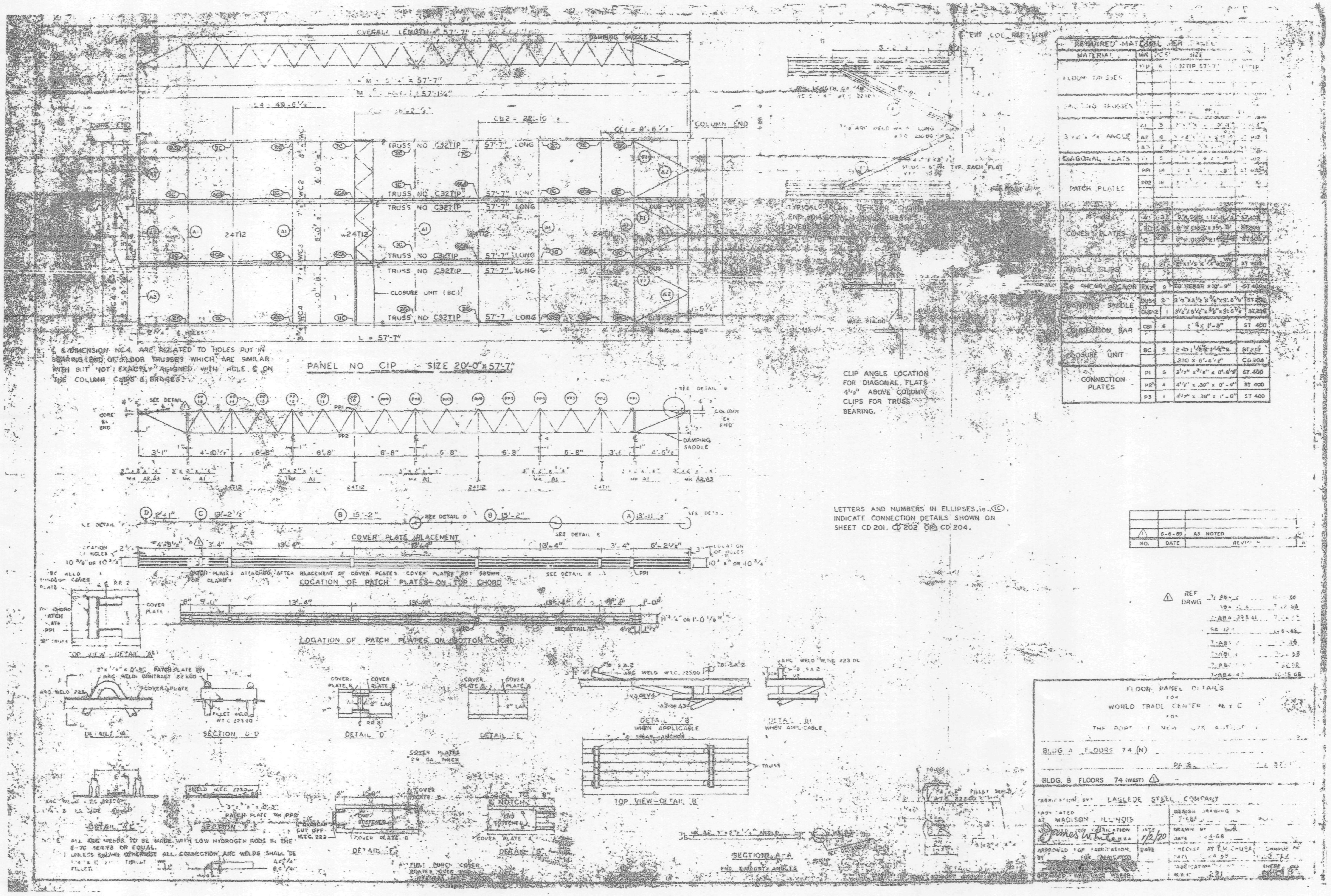
(1) REF DRAG

7-AB4-2	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-39 & 41	7-22-68
SA-SZ-4	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

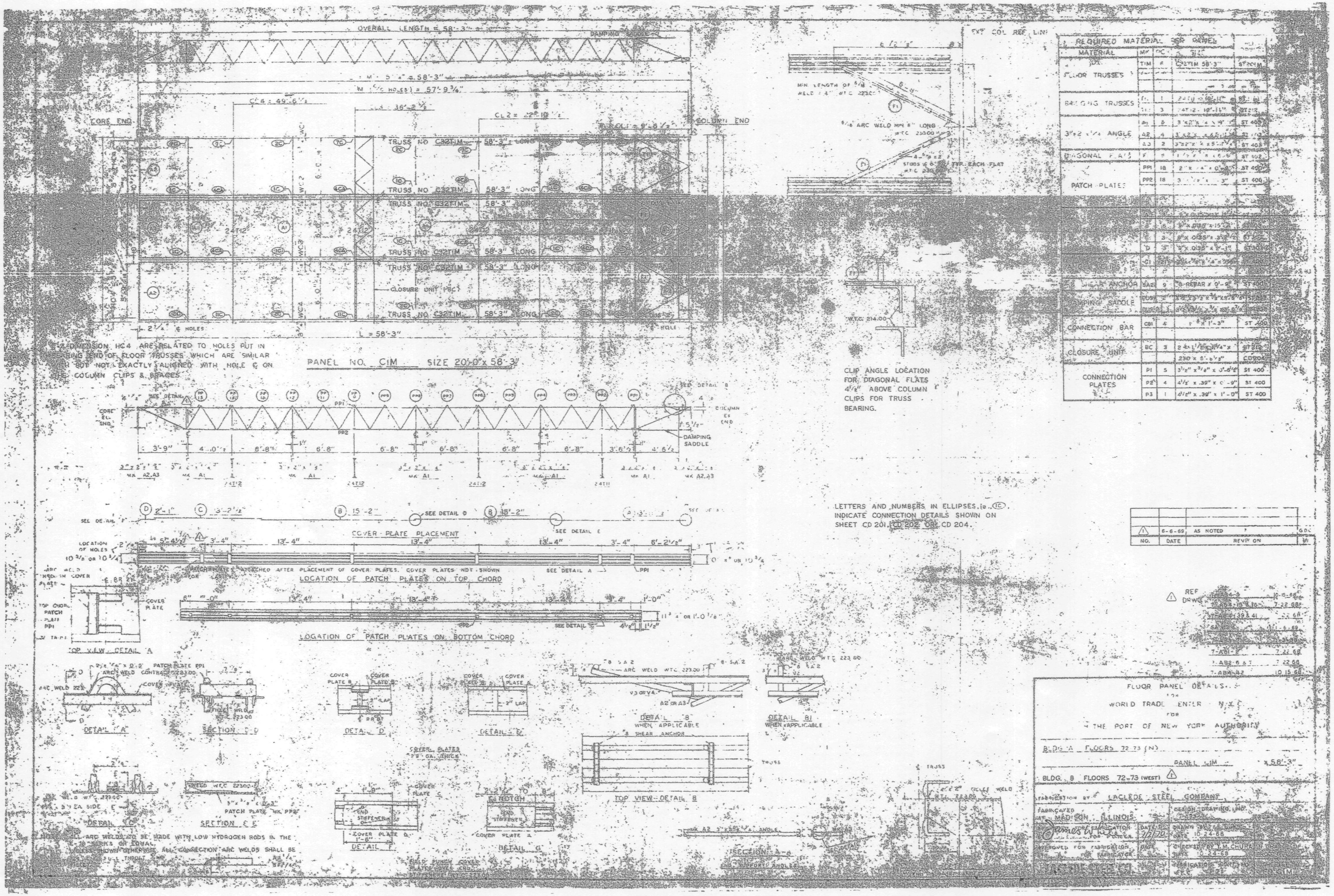
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

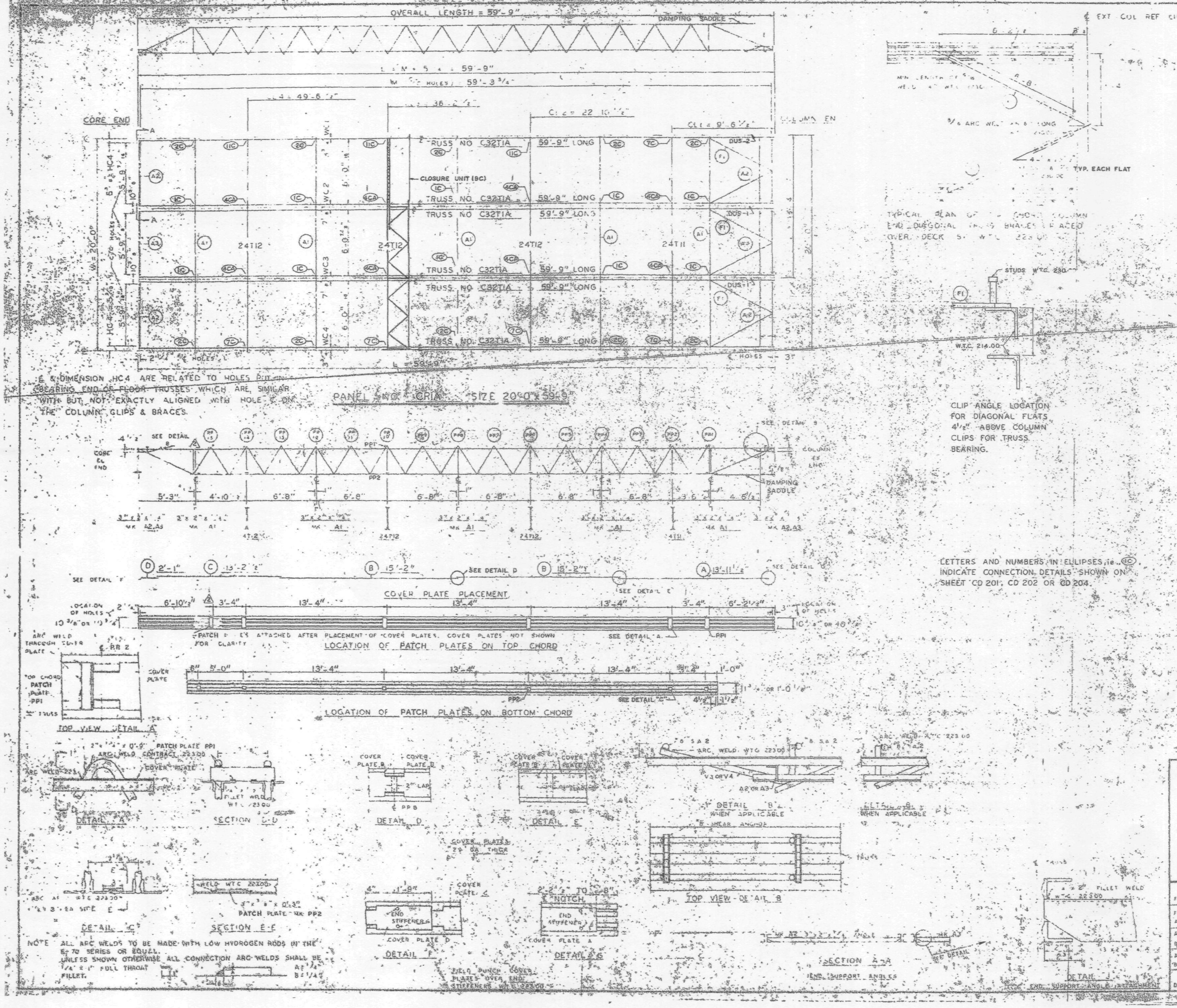
BLDG. A FLOORS 45(S), 46(N&S)
PANEL C1K - 58'-6"
BLDG. B FLOORS 45(EAST) 46(EAST & WEST) (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB?-7
APPROVED FOR FABRICATION BY James White — DATE 1/9/70
APPROVED FOR FABRICATION BY — FOR FABRICATOR — DATE
DRAWN BY — DATE 10-24-68
CHECKED BY T.M. CHURA — DATE 10-24-68
IN CHARGE
LACLEDE STEEL CO.
DETAILED BY
FABRICATION CONT. NO. W.T.C. 221
SHEET FP-C1K



OVERALL LENGTH = 57'-7"
DAMPING SADDLE
CORE END
COLUMN END
TRUSS NO C32TIP 57'-7" LONG
TRUSS NO C32TIP 57'-7" LONG
TRUSS NO C32TIP 57'-7" LONG
TRUSS NO C32TIP 57'-7" LONG
TRUSS NO C32TIP 57'-7" LONG
CLOSURE UNIT (BC)
24T12
L = 57'-7"
℄ & DIMENSION WC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO C1P SIZE 20'-0" x 57'-7"
TYPICAL PLAN OF TOP CHORD END DIAGONAL TRUSS BRACES
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
3 1/2" x 1/4 ANGLE
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
ST 400
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
DETAIL "B1" WHEN APPLICABLE
TOP VIEW - DETAIL "B"
DETAIL "C"
SECTION E-E
DETAIL "F"
DETAIL "G"
SECTION A-A
END SUPPORT ANGLES
COVER PLATES 29 GA THICK
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FILLET.
REF DWG
6-6-69 AS NOTED
NO. DATE REVISION
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)
FABRICATION BY: LACLEDE STEEL COMPANY
LOCATED AT MADISON, ILLINOIS


OVERALL LENGTH = 58'-3"
CORE END
COLUMN END
TRUSS NO. C32TIM 58'-3" LONG
CLOSURE UNIT
L = 58'-3"
DIMENSION HC4 ARE RELATED TO HOLES PUT IN
FLOOR TRUSSES WHICH ARE SIMILAR
BUT NOT EXACTLY ALIGNED WITH HOLE C ON
COLUMN CLIPS & BRACES
PANEL NO. C1M SIZE 20'-0" x 58'-3"
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL A
DETAIL A
SECTION C-C
DETAIL D
DETAIL C
DETAIL B
WHEN APPLICABLE
DETAIL B1
WHEN APPLICABLE
TOP VIEW DETAIL B
SECTION E-E
DETAIL F
DETAIL G
SECTION A-A
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4 1/2" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C)
INDICATE CONNECTION DETAILS SHOWN ON
SHEET CD 201, CD 202 OR CD 204.
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3"x2"x1/4" ANGLE
DIAGONAL FLATS
PATCH PLATES
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
6-6-69 AS NOTED
NO. DATE REVISION
FLOOR PANEL DETAILS
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 72-73 (N)
PANEL C1M
BLDG. B FLOORS 72-73 (WEST)
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DATE 10-24-68
CHECKED BY T.M. CHURA
DATE 10-24-68



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-8"	ST 204A
BRIDGING TRUSSES	T11	[illegible]	24T11 - [illegible]	[illegible]
	T12	3	24T12 - 19'-11"	BT 212
3 x 2 x 1/4 ANGLE	A1	3	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	5	1 1/2" x [illegible] x 6'-9"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	[illegible] 3/8" [illegible] 3"	ST 400
COVER PLATES	A	3	9" x .0135" x 3'-11 1/2"	ST 303
	B	6	9" x .0135" x 5'-2"	ST 303
	C	3	9" x .0135" x 3'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT 212, CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

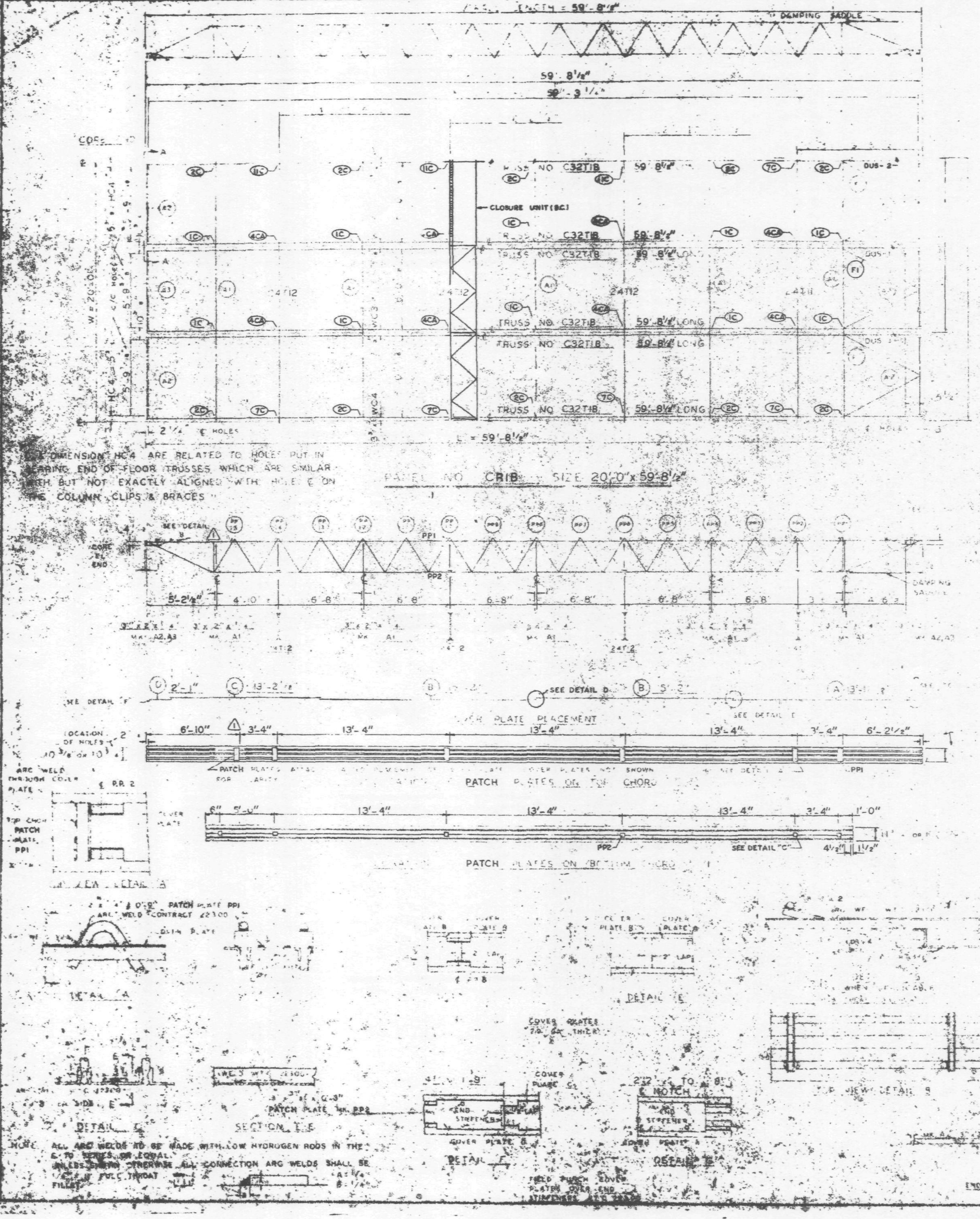
NO.	DATE	REVISION	BY
2	5-6-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

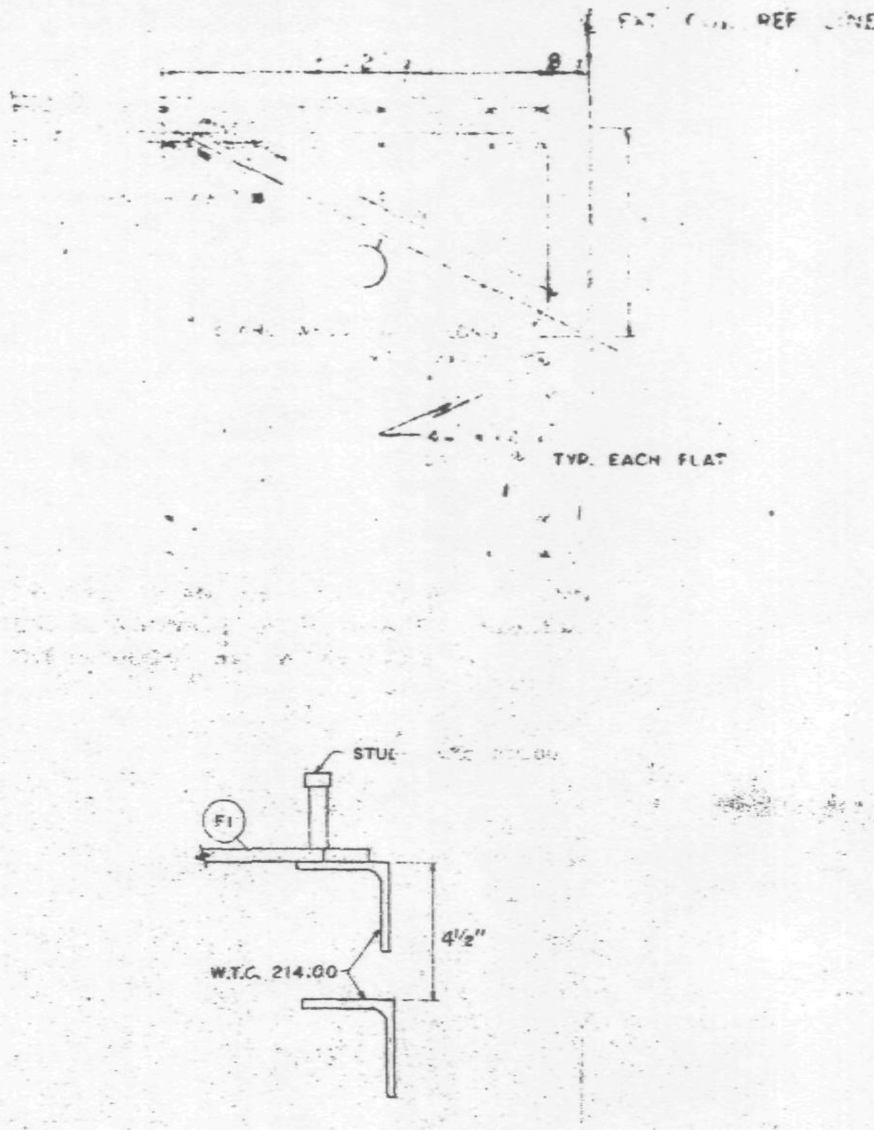
REF. D-WC	
7-AB4-1	10-15-68
AB4-2 & 6	7-22-68
AB4-41	7-22-68
5A-124	1-6-69
7-AB3-2	[illegible]
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 14-24, 26-38 (NORTH & SOUTH); 49-58, 60-66, 68, 69 (NORTH) PANEL CRIA - 20'-0" x 59'-9"
BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-[illegible] (2)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-8 4-1-68
APPROVED FOR FABRICATION BY James White — DATE 1/2/70
DRAWN BY [illegible] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE
CHECKED BY J.R. PAUL DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
DETAILED
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CRIA





CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
[illegible]		8	[illegible]18 - 59' 8 1/2"	ST201B
	T2	3	24T12 19'-11"	BT212
[illegible] ANGLE	A1	5	[illegible] 19'-11"	ST 403
	A2	4	[illegible] x 5 [illegible]	ST 403
	[illegible]	[illegible]	[illegible] 4"	ST 403
[illegible]	[illegible]	[illegible]	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] 3"	ST 400
COVER PLATES	A	3	[illegible] x 3'-1 1/2"	ST 303
	B	6	[illegible] x 15'-2	ST 303
	C	3	[illegible] x 3'-2 1/2"	ST 303
	D	3	[illegible] x 2'-1"	ST 303
ANGLE CLIPS	[illegible]	21	2 x 1 1/2 x 1/4" x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3-6 7/8"	ST 298
	DUS-2	1	3 1/2 x 3 1/2 x 3/8 x 3-8 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT 212 CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

[illegible]	10-15-68
[illegible] 15,16	7-22-68
[illegible] AB4 41	7-22-68
[illegible]	1-6-69
7-AB3-[illegible]	[illegible]
7-AB[illegible]-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-4[illegible]	10-15-68

[illegible] TAILS

83-91 & 93-106 (N)

PANEL CRIB [illegible] x 59'-8 1/2"

BLDG. B FLOORS 83-91 & 93-106 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7 AB3 8

APPROVED FOR FABRICATION James White DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 1968

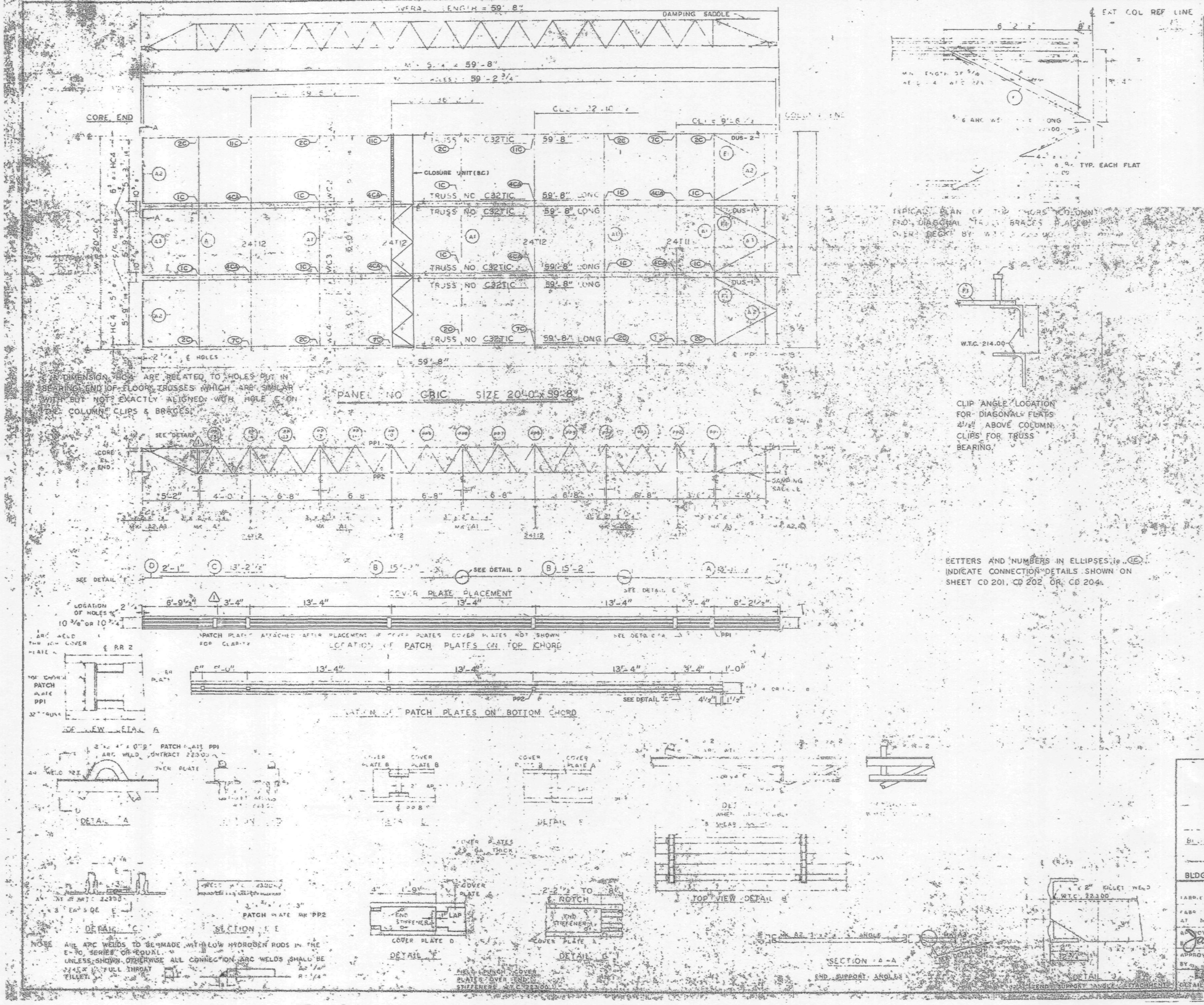
APPROVED FOR FABRICATION BY

CHECKED BY T.M.CHURA DATE OCT 23, 1968

DETAILED BY

FABRICATION CONT. NO. W.T.C. 221

SHEET FP CRIB



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	C	6	C32TIC - 59'-8"	ST201C
BRIDGING TRUSSES		1	24T 9	[illegible]
	T2	3	24T12 - 19'-11"	BT 212
3" x 2" x 1/4" ANGLE	A1	9	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	8	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 9"	ST 400
	PP2	18	3" x 3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST303
	B	6	9" x .0135" x 5'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
	DUS 2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 4 x 1 1/2" x 1 1/4" x .230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.D.C.

REF. DRWG (1)

7-AB4-3	10-15-68
7-AB4-15,16 & 39	7-22-68
7-AB4-41	7-22-68
SA-12.4	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

PANEL DETAILS FOR WORLD TRADE CENTER N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 49-58, 60-66, 68-74, 79-91 & 93-106 (S)

PANEL GRIC 20'-0" x 59'-8"

BLDG. B FLOORS 49-58, 60-74, 79-91 & 93-106 (EAST) (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8

APPROVED FOR FABRICATION BY James White P.N.Y.A DATE 1/2/70

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

DRAWN BY DATE OCT 23, 1968

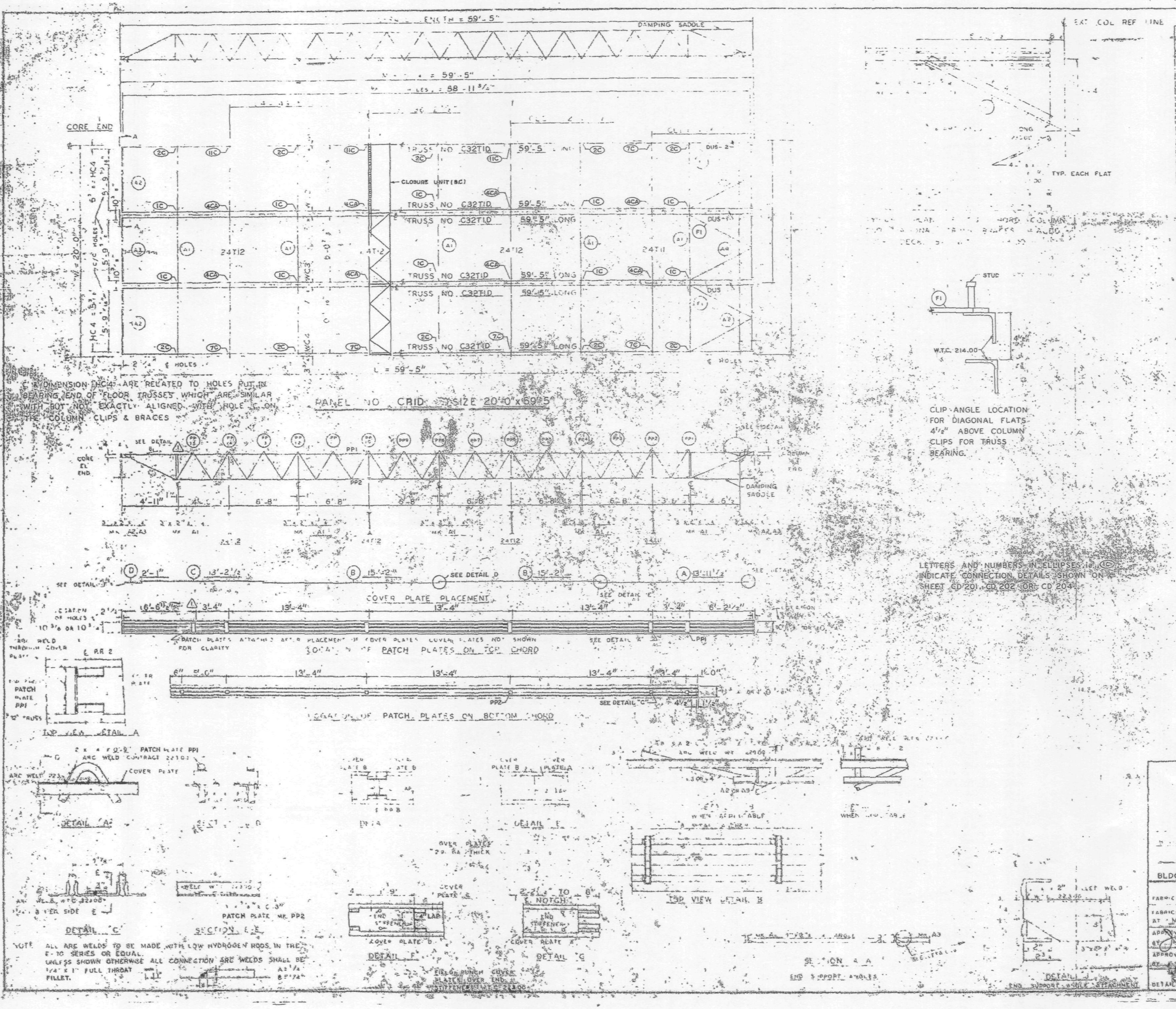
CHECKED BY T.M.CHURA DATE OCT 23, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY C. WEBER

FABRICATION CONT. NO. W.T.C.

SHEET NO. GRIC



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	1D	5	C32T1D - 59'-5"	ST201D
BRIDGING TRUSSES	[illegible]	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
[illegible] ANGLE	A1	3	3"x2"x¼"x 19'-11"	ST 403
	A2	4	3"x2"x¼"x 5'-11 [illegible]	ST 403
	A3	2	3"x2"x ¼"x 5'-11¾"	ST 403
DIAGONAL FLATS	F	5	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 400
	PP2	18	[illegible] - 3"	ST 400
COVER PLATES	A	3	9" x .0135 x 13'-11½"	ST303
	B	6	9" x .0135 x 15'-2	ST303
	C	3	9" x .0135" x 13'-2½"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	2" x 1½ x ¼" x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½ x ⅜" x 3'-6⅞"	ST298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-8⅞"	ST298
CONNECTION BAR	CB1	4	1" [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 x 1½" x 1¼" x .230 x 6'-6½"	BT212 CD204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	
1	6-9-69	AS NOTED	

[illegible] AB4 [illegible]	10-15-68
AB4 15,16,&39	7-22-68
AB4 41	7-22-68
A-12 A	1-6-69
AB3	[illegible]
AB1 7	7-22-68
AB2-8 & 7	7-22-68
AB4 42	10-15-69

THE PORT OF NEW YORK AUTHORITY

[illegible] FLOORS 81-82 (N)

PANEL CRID [illegible] x 59'-5"

BLDG. B FLOORS 81-82 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3 8 PLATE

APPROVED FOR FABRICATION BY James White N.Y.A. DATE 1/2/70

DRAWN BY [illegible] DATE OCT 23, 1968

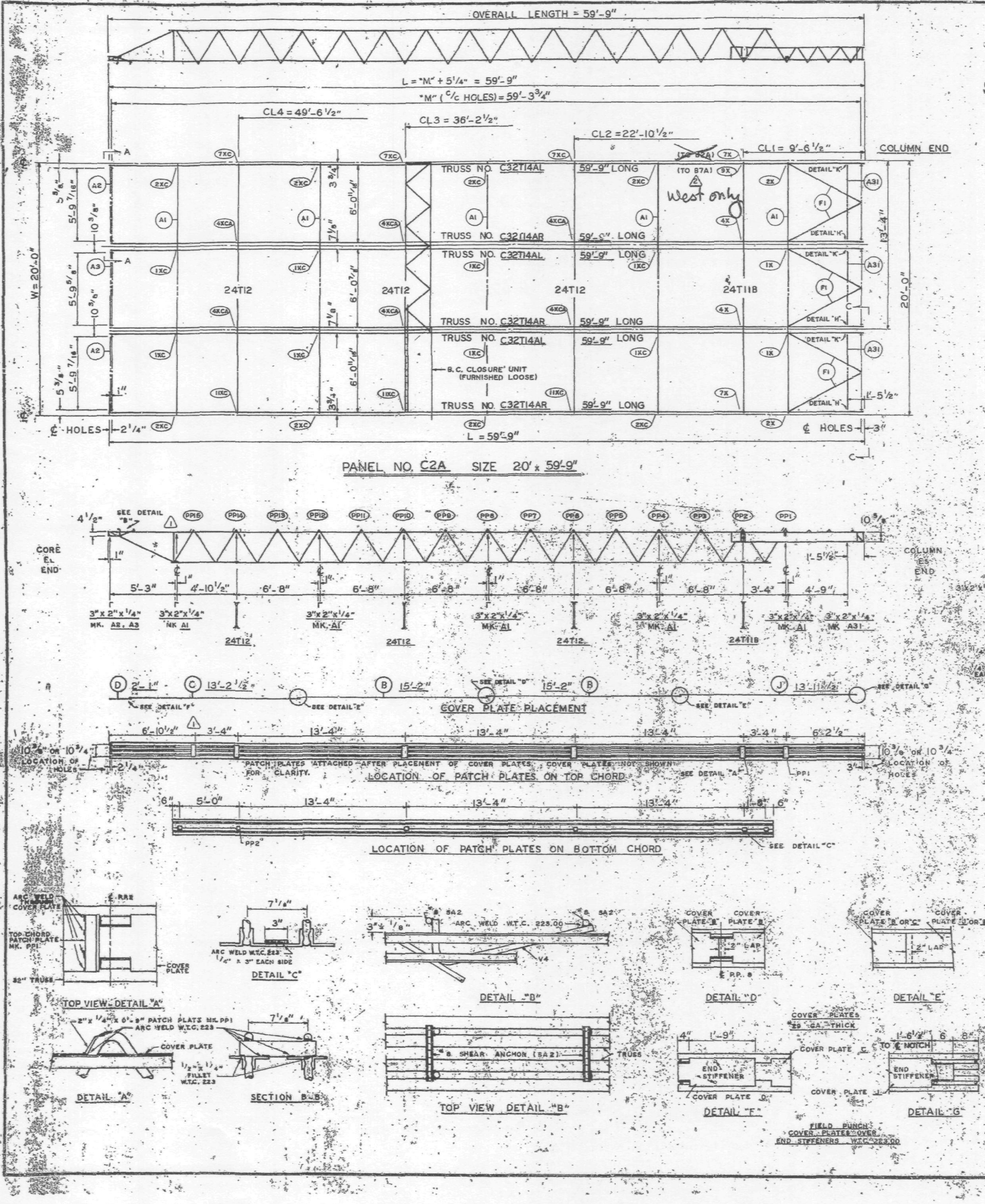
APPROVED FOR FABRICATION BY [illegible] DATE [illegible]

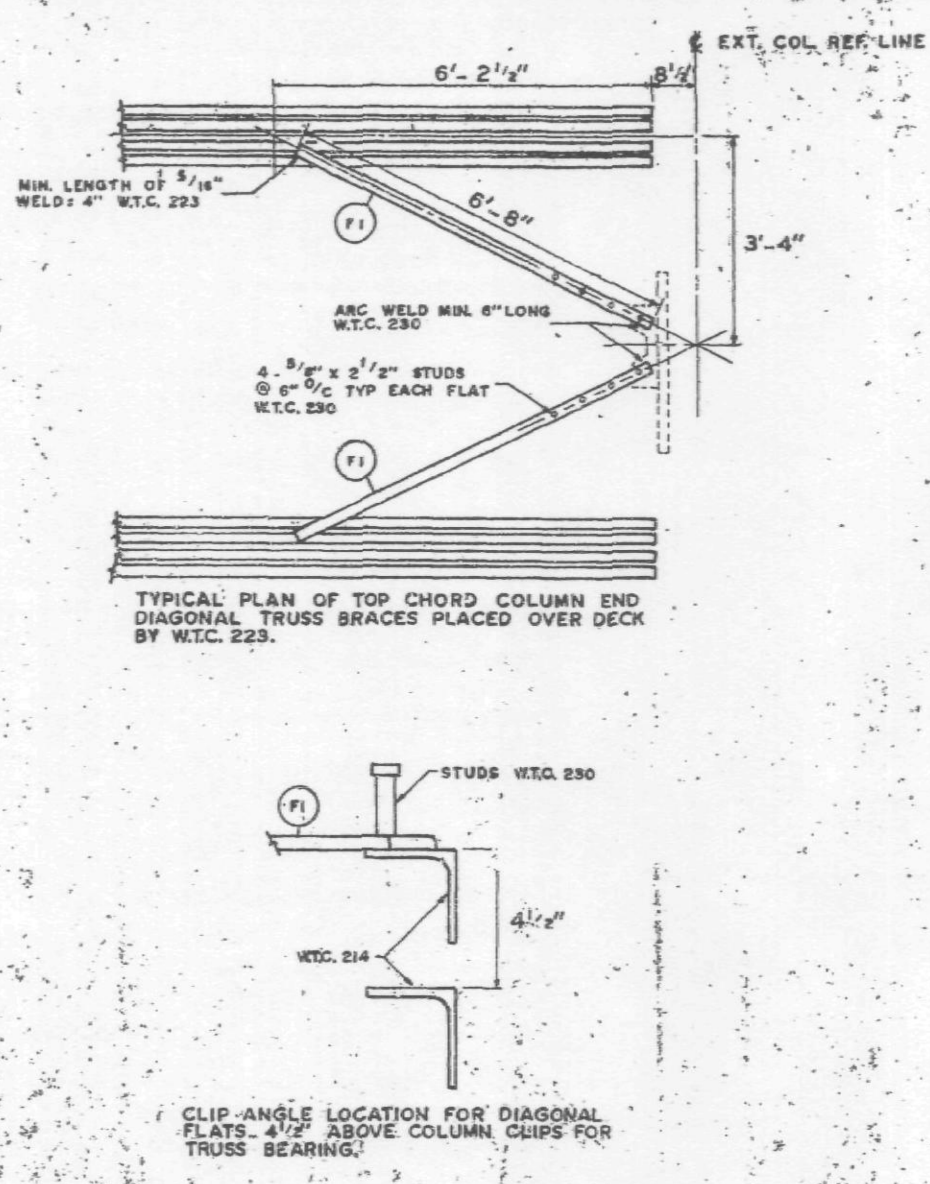
CHECKED BY T.M.CHURA DATE OCT 23, 1968 IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. 221

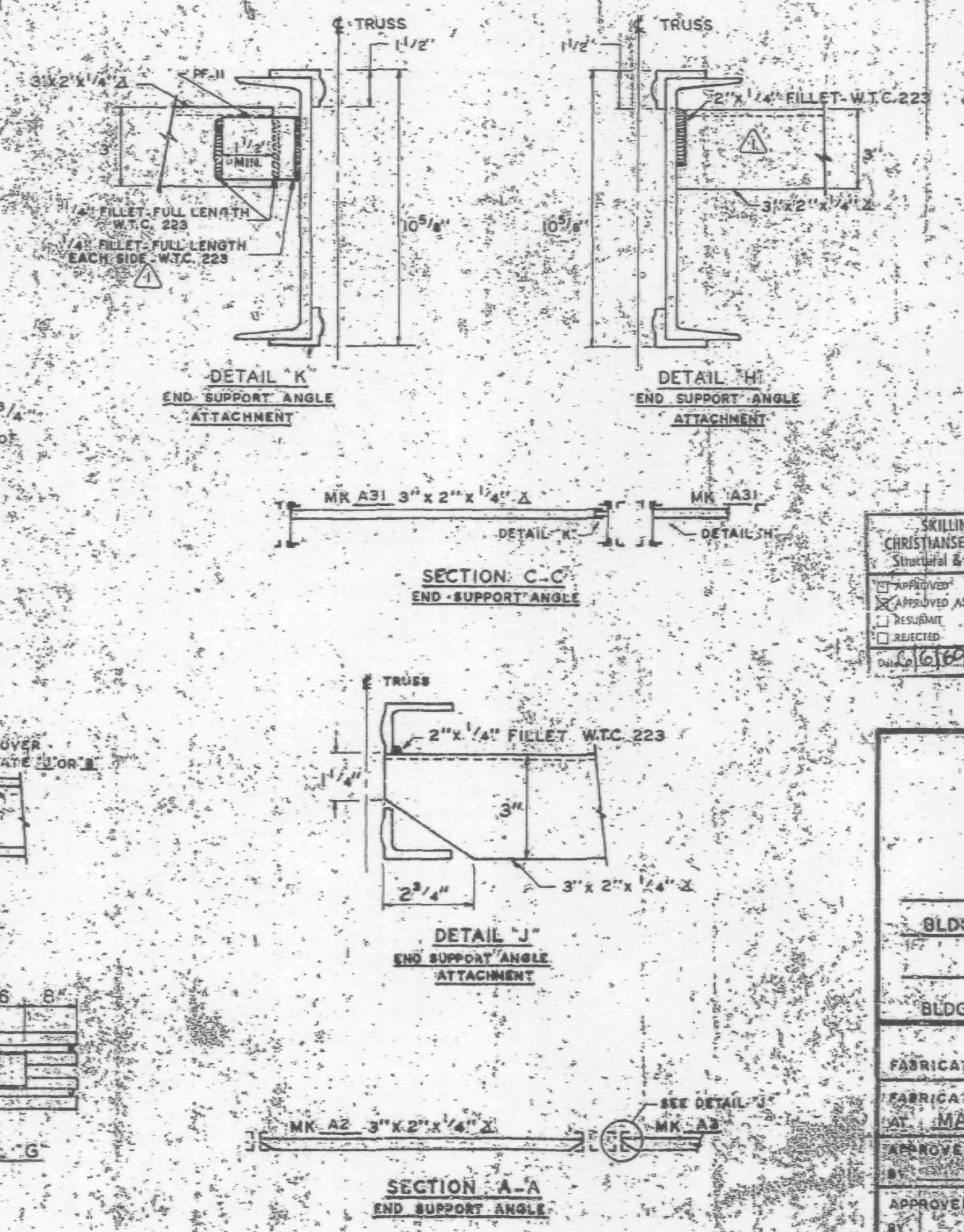
SHEET NO. FD CRID





REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" ☐ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.
NO.	DATE	REVISION	BY

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 6/6/69 by SK

REF DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR - PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

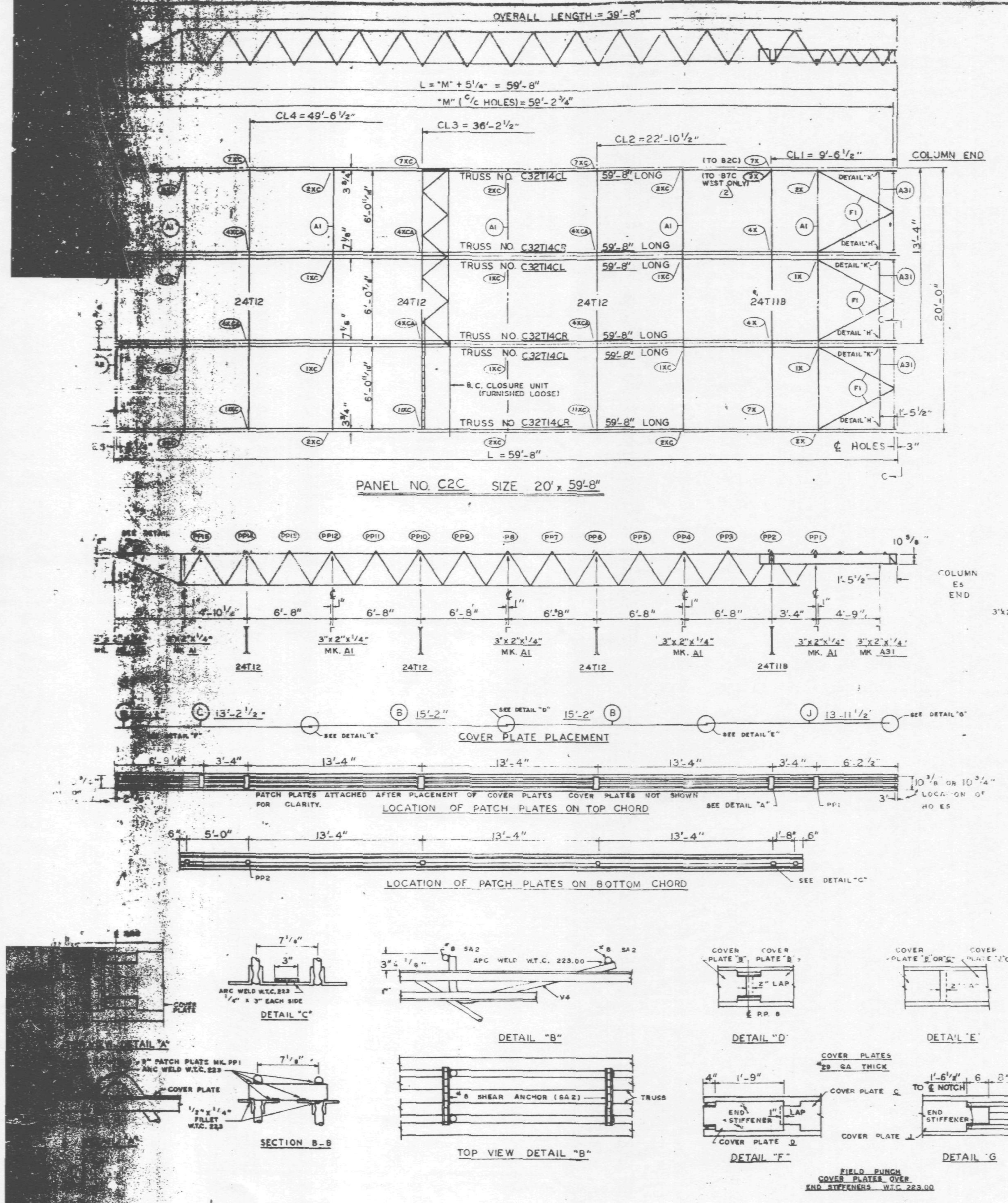
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH) ⚠1

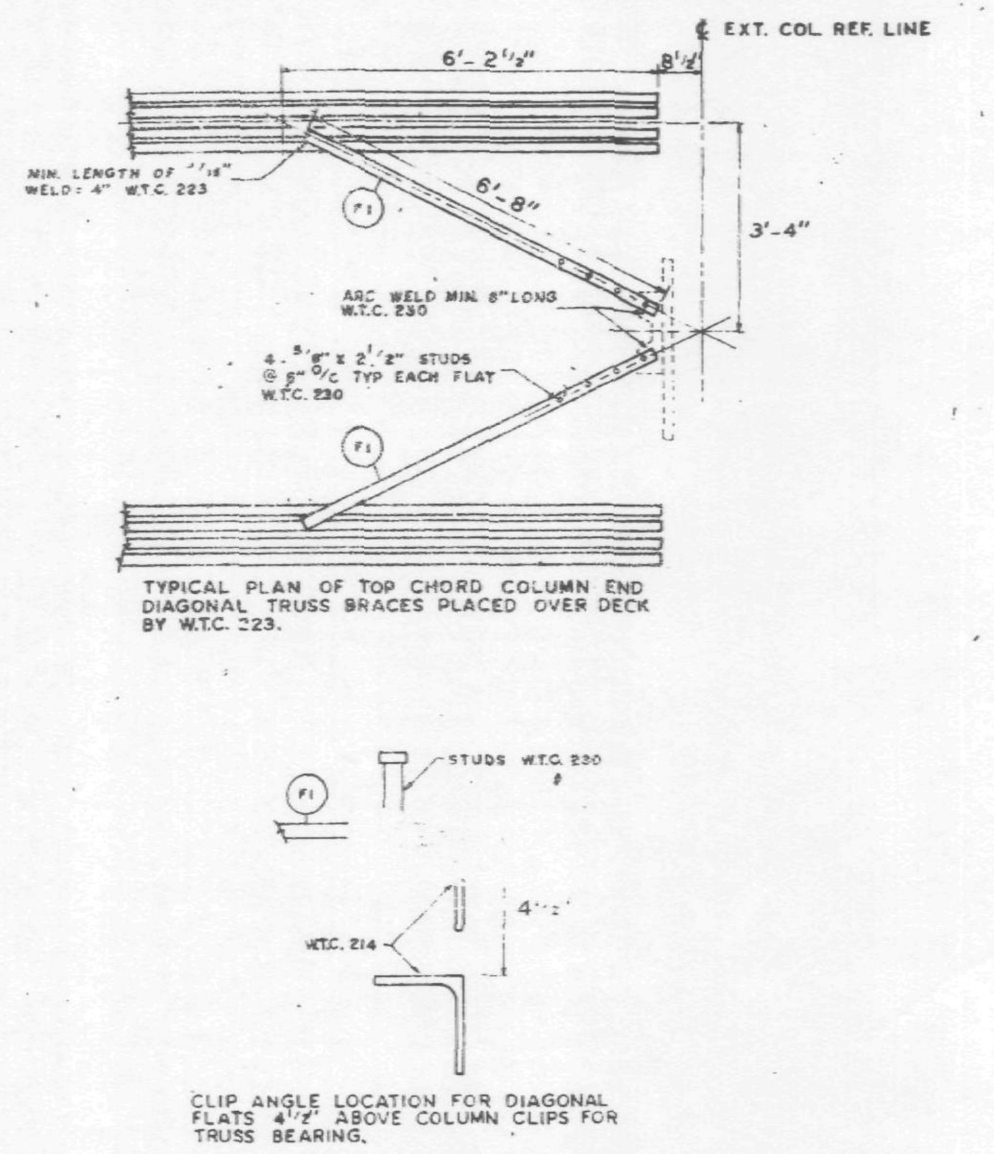
PANEL C2A - 20' x 59'-9"

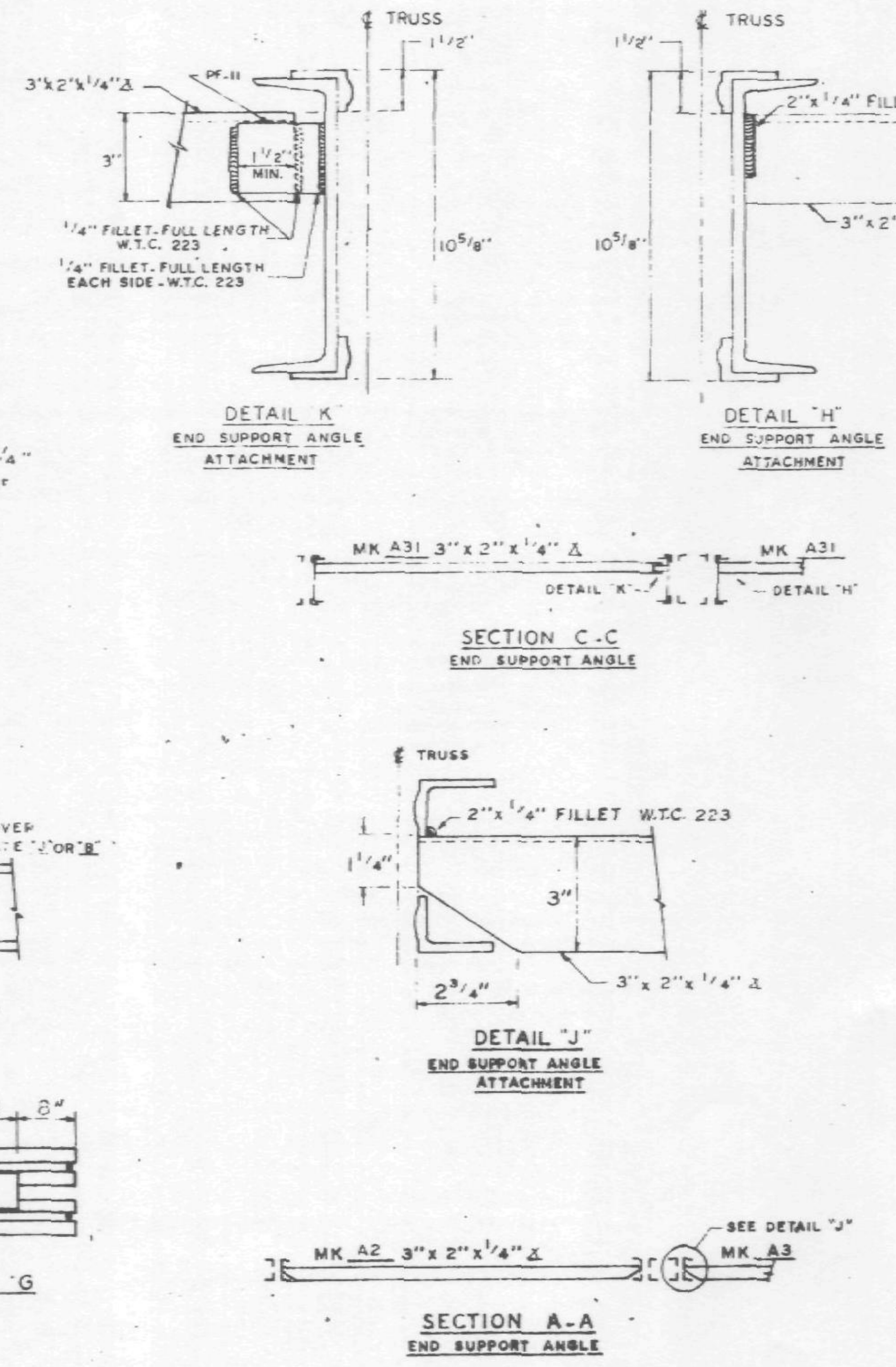
BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST) ⚠2

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-28	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C2A







REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T118	1	24T118 x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2"x 1 1/2"x .25"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY.
2	6-13-69	AS NOTED	G.D.C.
1	5-12-69	AS NOTED	G.D.C.

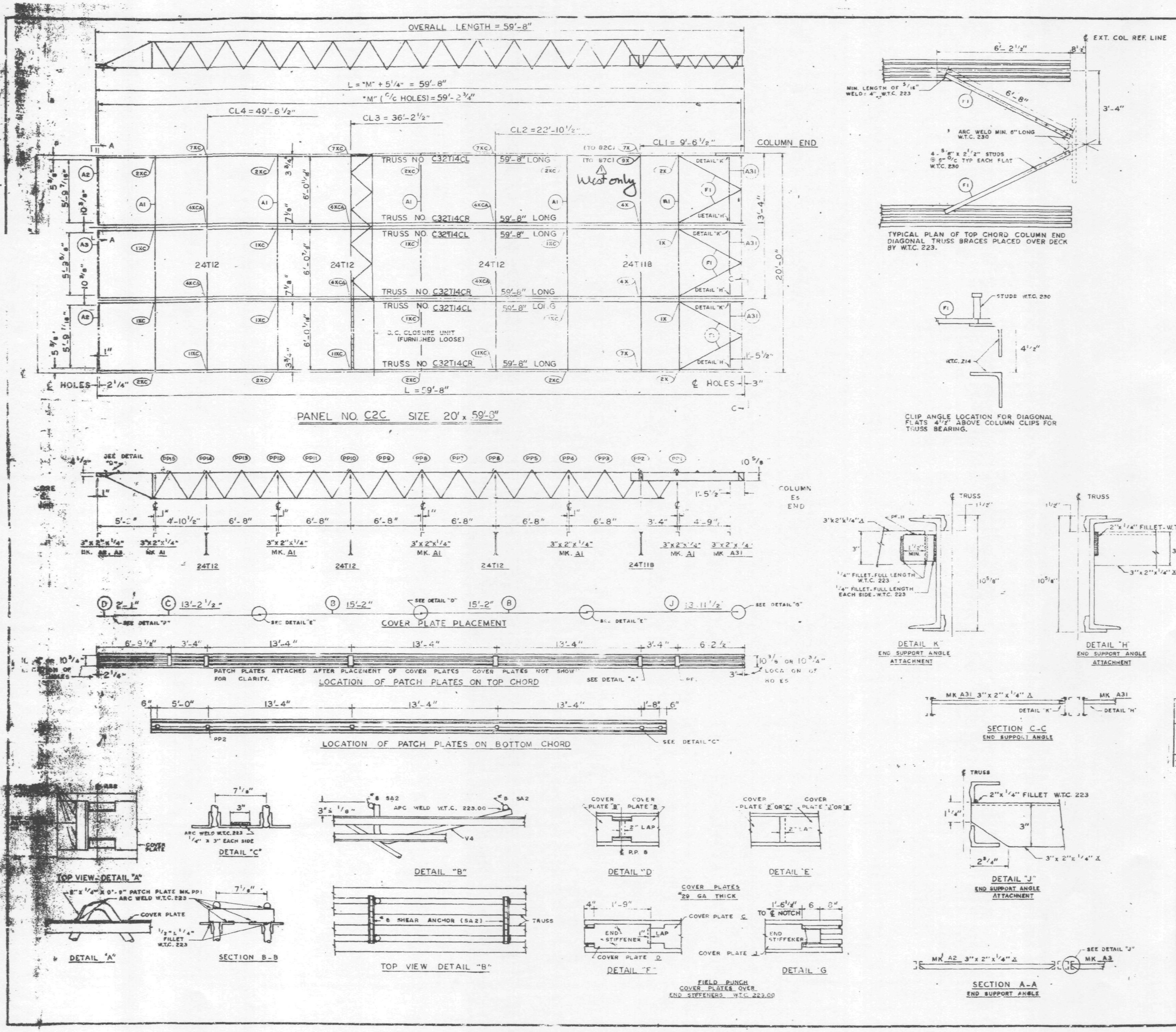
REF. DRWG.

7-A83-28	10-4-66
7-A84-28	7-22-66
7-A81-13	10-4-66
7-A82-7	7-22-66
7-A82-15	10-4-66

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL C2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-28 PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE 7/28/69
DRAWN BY ____ DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP C2C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" D 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	3" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .035" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.C.

SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
RESUBMIT
REJECTED
6/6/69 SK

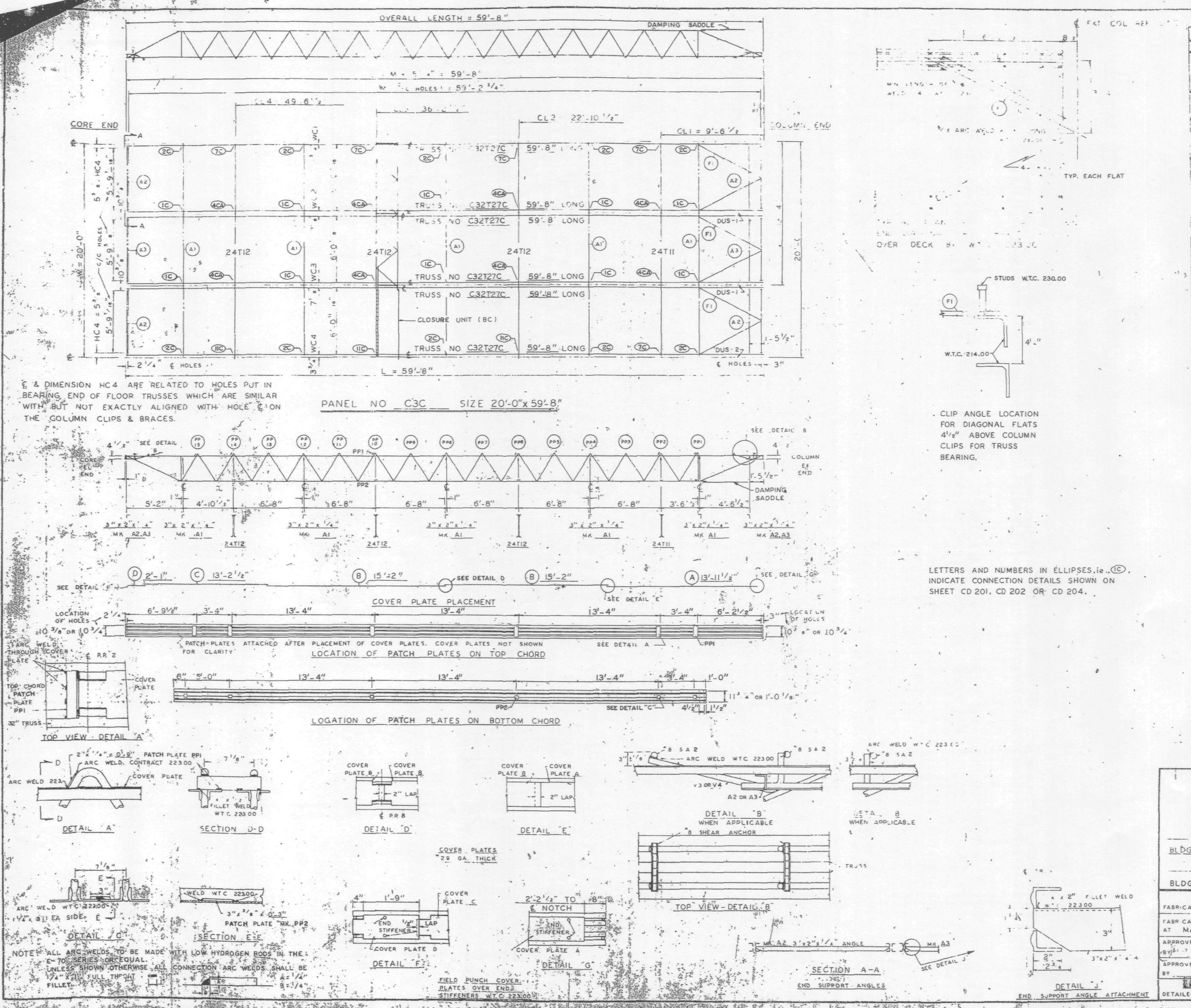
REF. DRWG.		
	7-AB3-28	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB2-7	7-22-68
	7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL C2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-28	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY ______ DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.N. CHUNG DATE APRIL 28, 1969	IN CHARGE OF PROG. DEV.
DETAILED BY		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C2C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	27C	6	C32T27C-59'-8"	ST227C
BRIDGING TRUSSES	[illegible]	1	24T[illegible]-9'-1"	BT2[illegible]
	T12	3	24T12-9'-11"	BT212
[illegible] ANGLE	A1	5	3"x2"x1/4"x19'-11"	ST 403
	A2	4	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	[illegible]	3"x2"x1/4"x5'-11 3/4"	ST 403
[illegible]	F	[illegible]	[illegible]x5'-8"	ST 402
PATCH PLATES	PP1	18	2"x[illegible]"x0'-9"	ST 400
	PP2	18	3"x3/8"x[illegible]-3"	ST 400
COVER PLATES	A	3	[illegible]	ST303
	B	6	9"x.0135"x15'-2"	ST303
	C	3	9"x.0135"x13'-2 1/2"	ST303
	D	3	9"x.0135"x2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x0-6	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"φ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-[illegible]1 1/2"x1 1/4"x	BT212
			.230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-45	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOOR 78 (SOUTH)

PANEL C3C - 20'-0" x 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-45 PLATE

APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A. DATE 7/31/69

DRAWN BY ___ DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE

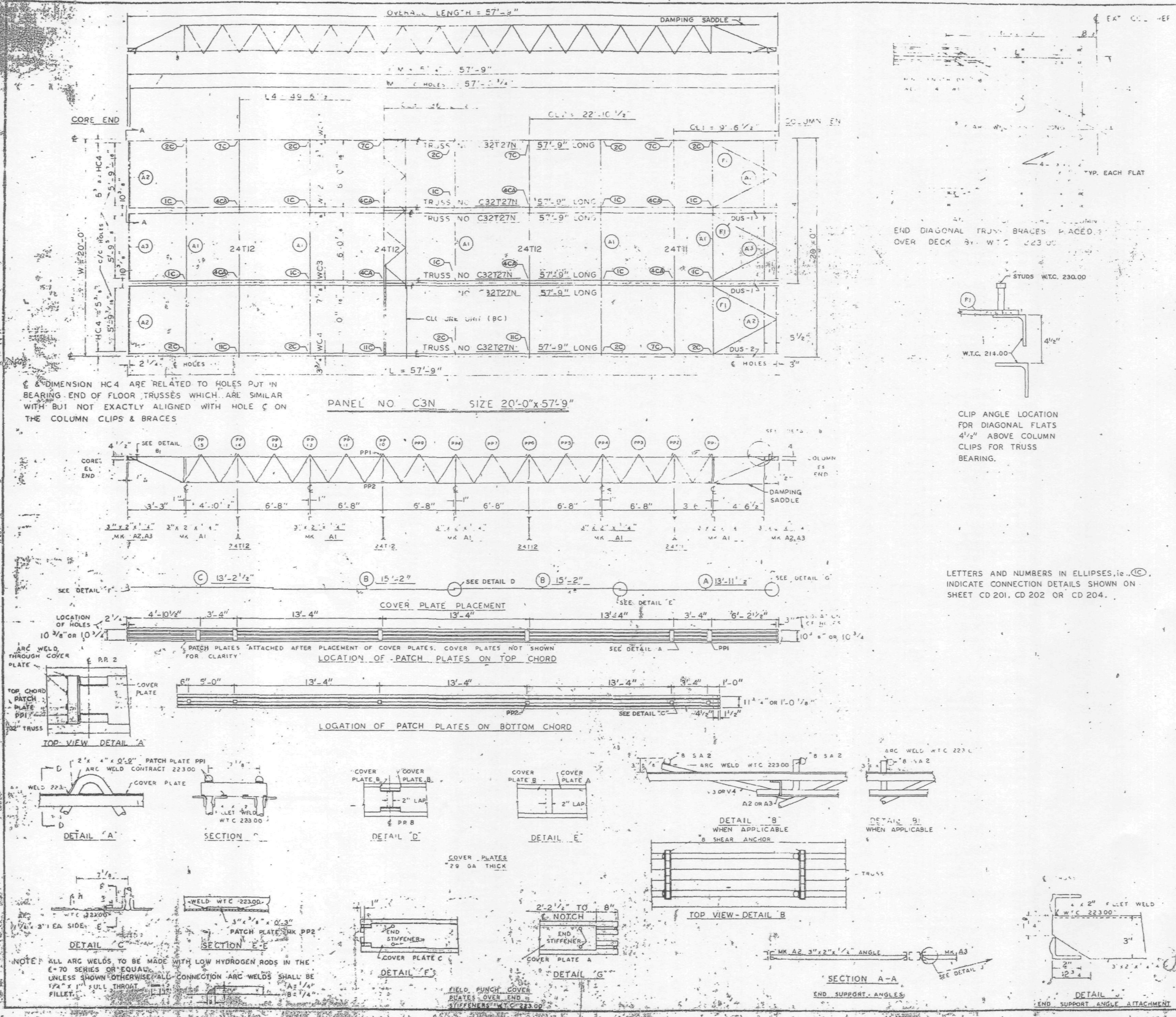
CHECKED BY T.M.CHURA DATE APRIL 28, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO FP C3C



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00

CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
	27N	6	T27N 57'-9"	ST227N
				ST211
	T12	3	24T12 - 19'-11"	BT212
	A1	9	3"x2"x1/4"x19'-11"	ST 403
ANGLE	A2		x2x 1/4 x 5'-11 9/16	ST 403
	A3	2	3"x2x 1/4 x 5'-11 3/4"	ST 403
PLATES	F1		x 8	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9"x 0135"x 13'-11 1/2"	ST303
	B	6	9"x 0135"x 15'-2"	ST303
	C	3	9" x .0135"x 13'-2 1/2"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS 2	1	3 1/2 x 3 1/2" x 3/8" x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1"⌀ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 ⊥ 1 1/2" x 1 1/4" x	BT212
			.230 x 6'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA 124	1-6-69
7-AB3-45	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

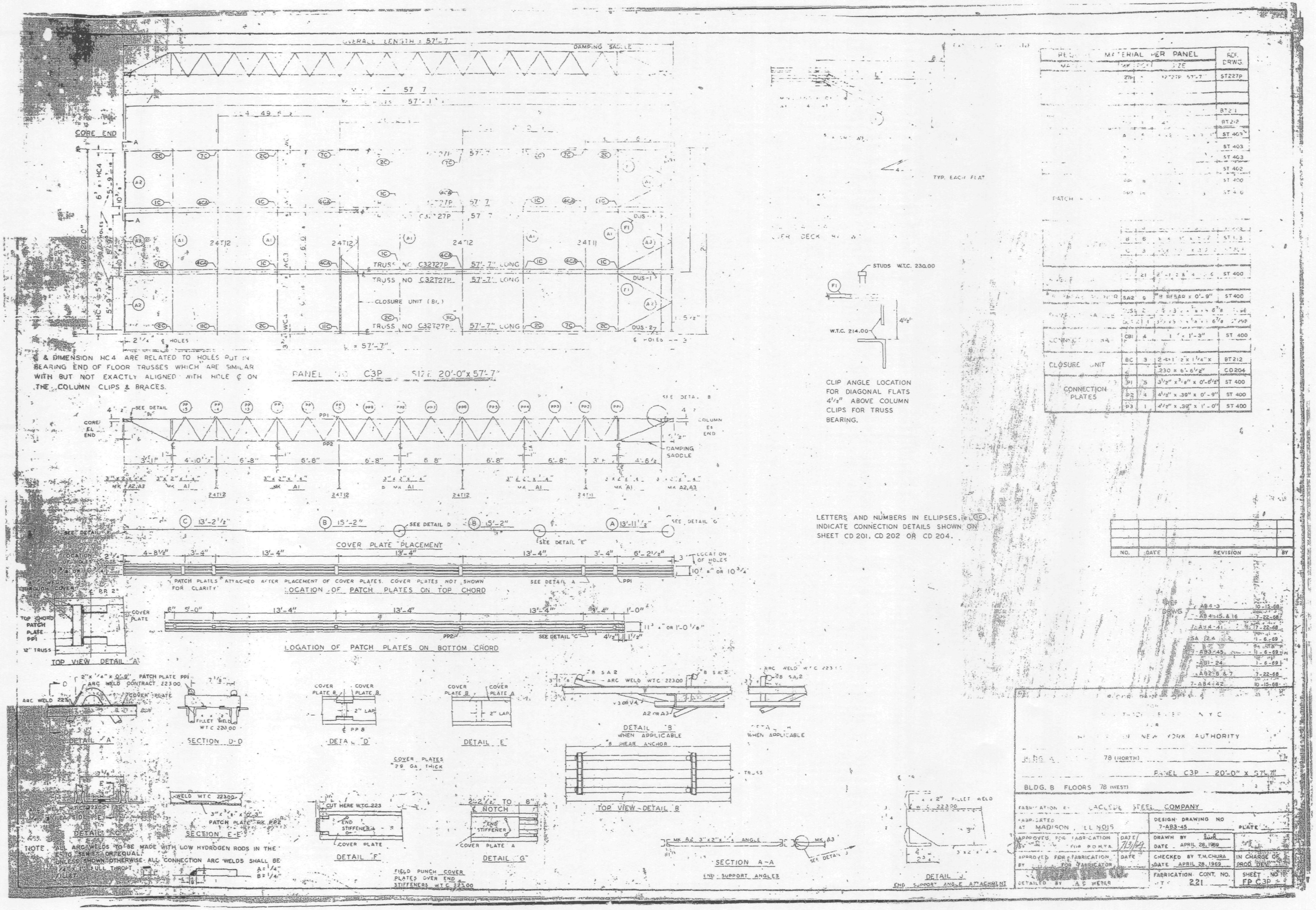
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

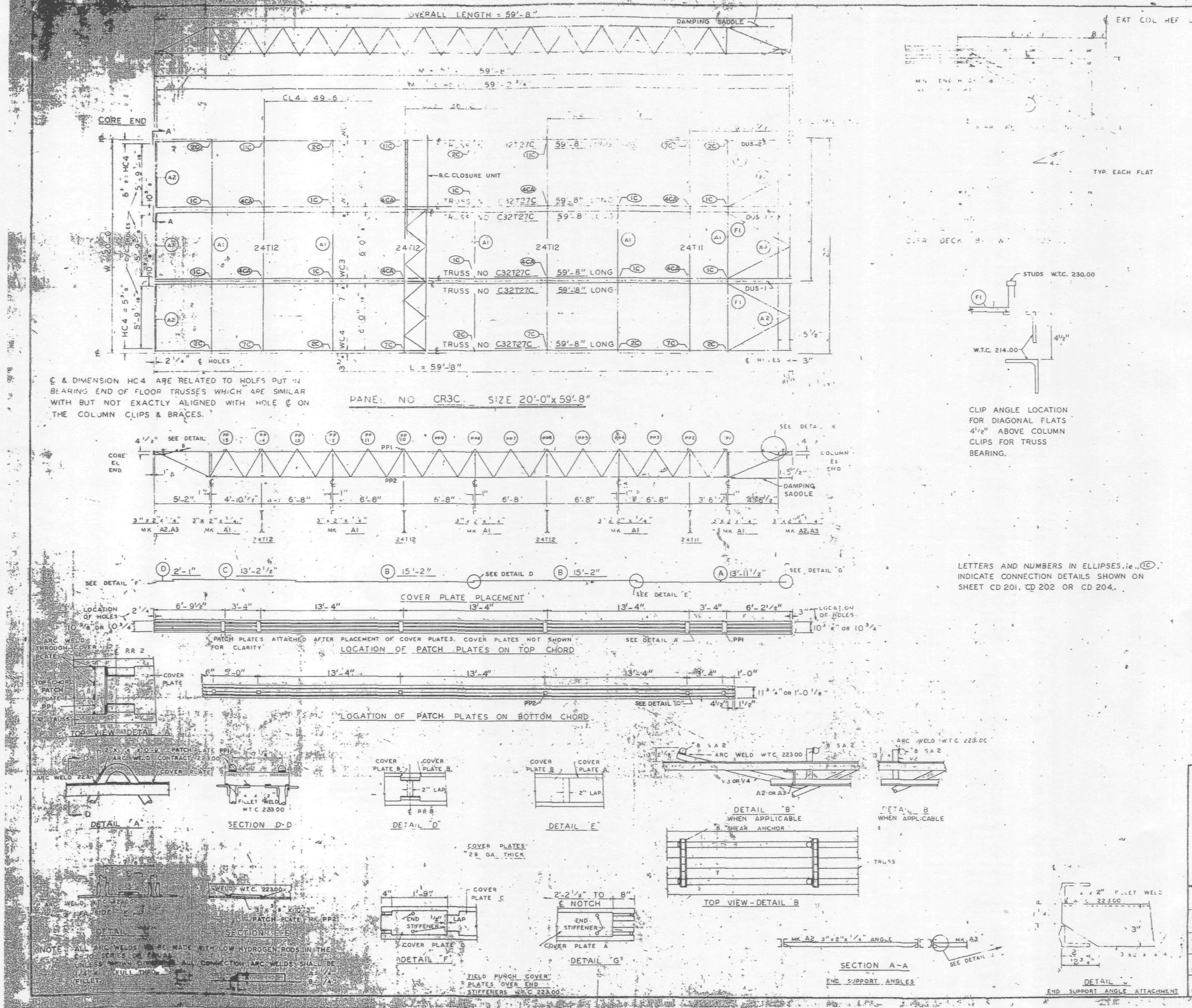
BLDG B 44 (EAST)

PANEL C3N - 20'-0" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-45	PLATE
APPROVED FOR FABRICATION BY FOR PONYA	DATE 7/31/69	DRAWN BY DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY LACLEDE STEEL CO. C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C3N


DAMPING SADDLE
CORE END
TRUSS NO C32T27P 57'-7" LONG
CLOSURE UNIT (BC)
& DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
STUDS W.T.C. 230.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
TYP. EACH FLAT
MATERIAL PER PANEL
CLOSURE UNIT
CONNECTION PLATES
DAMPING SADDLE
COVER PLATE PLACEMENT
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
NO. DATE REVISION BY
TOP VIEW DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "D"
DETAIL "E"
DETAIL "B" WHEN APPLICABLE
COVER PLATES 20 GA. THICK
TOP VIEW - DETAIL "B"
SECTION E-E
DETAIL "F"
DETAIL "G"
SECTION A-A END SUPPORT ANGLES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FULL THROAT FILLET.
NEW YORK AUTHORITY
PANEL C3P - 20'-0" x 57'-7"
BLDG. B FLOORS 78 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-45
DATE APRIL 28, 1969
CHECKED BY T.M.CHURA
DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. 221
SHEET NO. FP C3P
DETAILED BY A.E. WEBER



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
[illegible]	27C	6	C32T27C - 59'-8"	ST227C
[illegible]	T11	1	24T11 - [illegible]	BT211
	T12	3	24T12 - 19'-11"	BT212
[illegible] ANGLE	A1	5	3" x 2" x ¼" x 19' 11"	ST 403
	A2	4	[illegible] x 5' 11 [illegible]	ST 403
	A3	[illegible]	[illegible] x 5' [illegible]	ST 403
[illegible]	F1	[illegible]	[illegible] x 5' 8"	ST 402
PATCH PLATES	PP1	18	[illegible] x 0' 9"	ST 400
	PP2	18	[illegible] x 0' 3"	ST 400
COVER PLATES	A	3	[illegible]	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS 2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1 [illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - [illegible] 1½" x 1¼" x	BT 212
			.230 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-12 4	1-6-69
7-AB3-46	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 78 (SOUTH)

PANEL CR3C - 20'-0" x 59'-8"

BLDG. B FLOORS 78 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-46 PLATE

APPROVED FOR FABRICATION BY FOR P.O.N.Y.A DATE 7/31/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

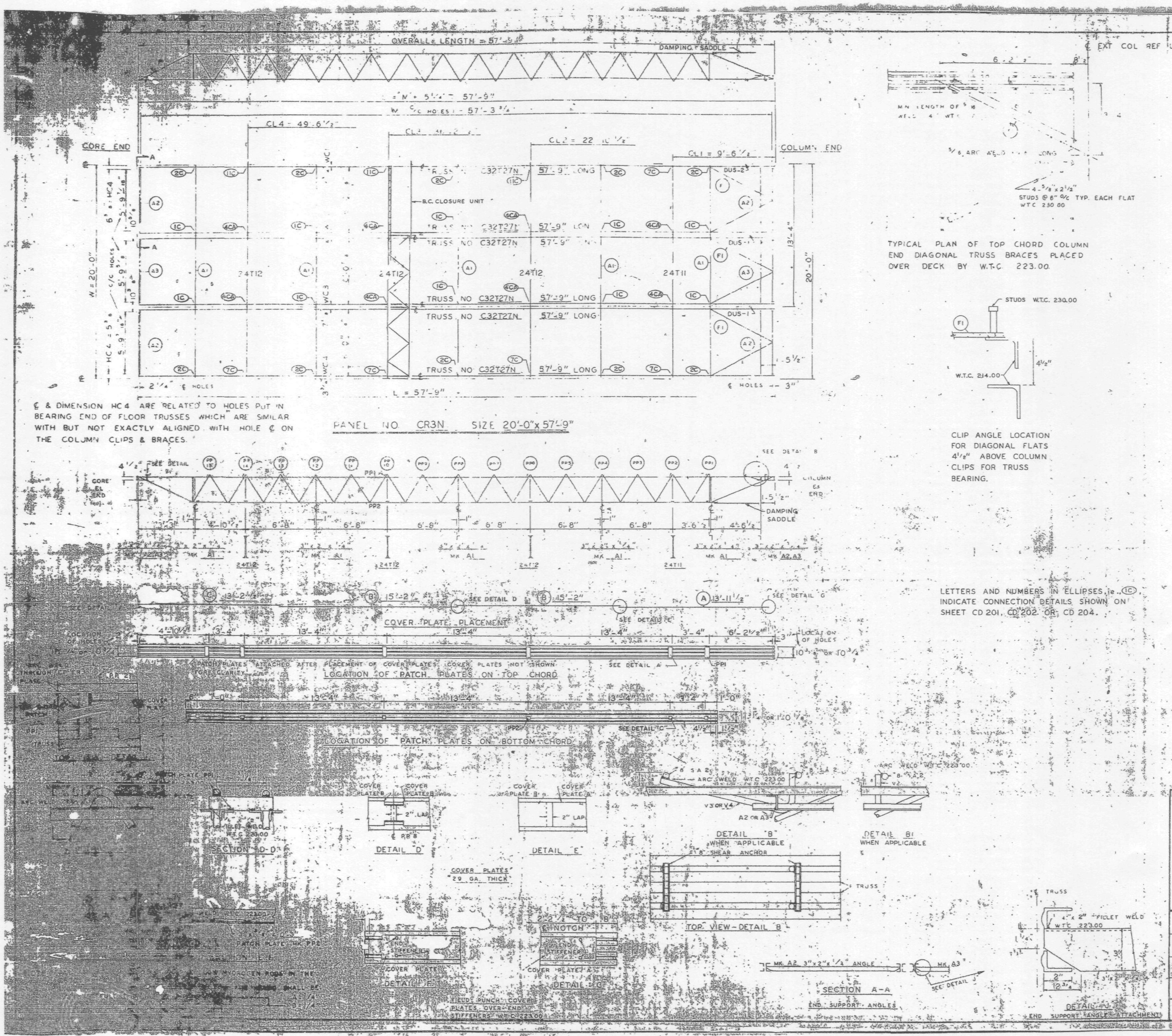
CHECKED BY T.M.CHURA DATE APRIL 28, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY R. C. WEBER

FABRICATION CONT. NO. WTC 221

SHEET NO FP-CR3C



REQUIRED MATERIAL PER PANEL				REF DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T27N	6	C32T27N 57'-9"	ST27N
BRIDGING TRUSSES	T [illegible]		24T [illegible]	BT [illegible]
	T2	3	24T 2 [illegible] 9' 11"	BT212
[illegible] ANGLE	A1	5	3 x 2 x ¼ x 19'-[illegible]"	ST 403
	A2	4	[illegible]	ST 403
	A[illegible]	2	[illegible]	ST 403
[illegible]	F	5	[illegible] x 5-8	ST 402
PATCH PLATES	PP1	18	2 [illegible] 9	ST 400
	PP2	16	3 [illegible] 3"	ST 400
COVER PLATES	A	3	9 x 0.35 x 3-11½	ST303
	B	6	9 x 0.35 x 15'-2"	ST303
	C	3	9 x 0.35 x 3-2½	ST303
ANGLE CLIPS	C1	21	2 x 1½ x ¼ x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½ x 3½ x ⅜" x 3-6⅞"	ST298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1½" x 1¼" x	BT212
			.230 x 6'-6½"	CD 204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF. DRWG

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-46	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG B FLOORS 44 (EAST)

PANEL CR3N - 20'-0" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-46

APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 7/3/69

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

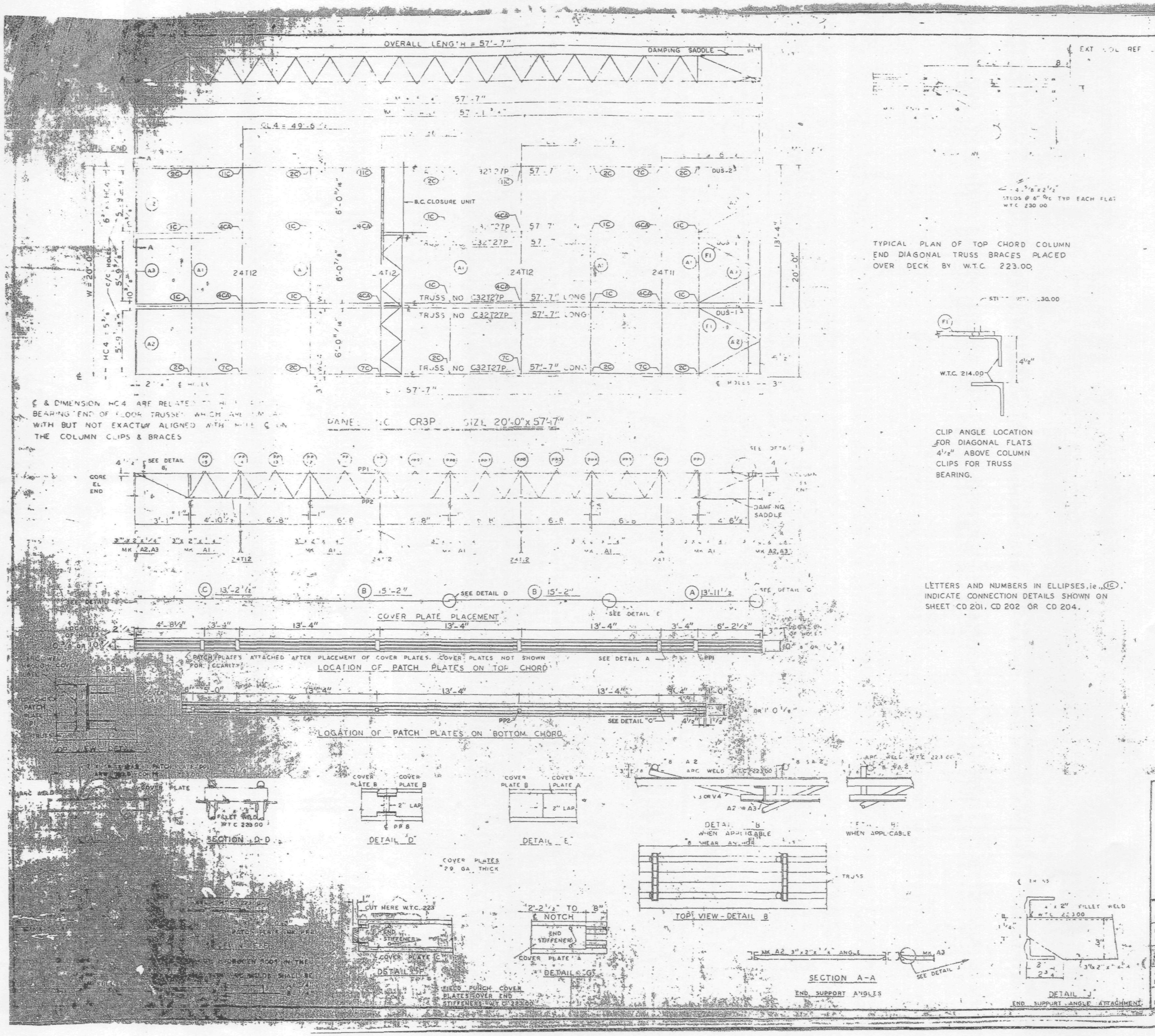
CHECKED BY T.M. CHURA DATE APRIL 28, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A. C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP CR3N



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
	27P	[illegible]	C32T27P- 57'-7"	ST227P
				BT212
			24"	BT212
	A	3	[illegible]	ST 4/13
				ST 4/13
				ST 4/13
				ST 402
	FF	8		ST 400
PATCH PLATES	PP	8		ST 400
	A	3	[illegible]	ST 303
	B	6	[illegible] x 5.2	ST 303
	C	3	[illegible]	ST 303
		21	[illegible]	ST 400
	SA2	9	REBAR x 0'-9"	ST 400
	DUS 1	2	3½"x3½" x ⅜"x3-6⅞"	ST298
	DUS 2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1½ x 1¼" x	BT212
			230 x 6'-6½"	CD204
CONNECTION PLATES	P1	5	3½" x ⅜" x 0'-6½"	ST 400
	P2	4	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

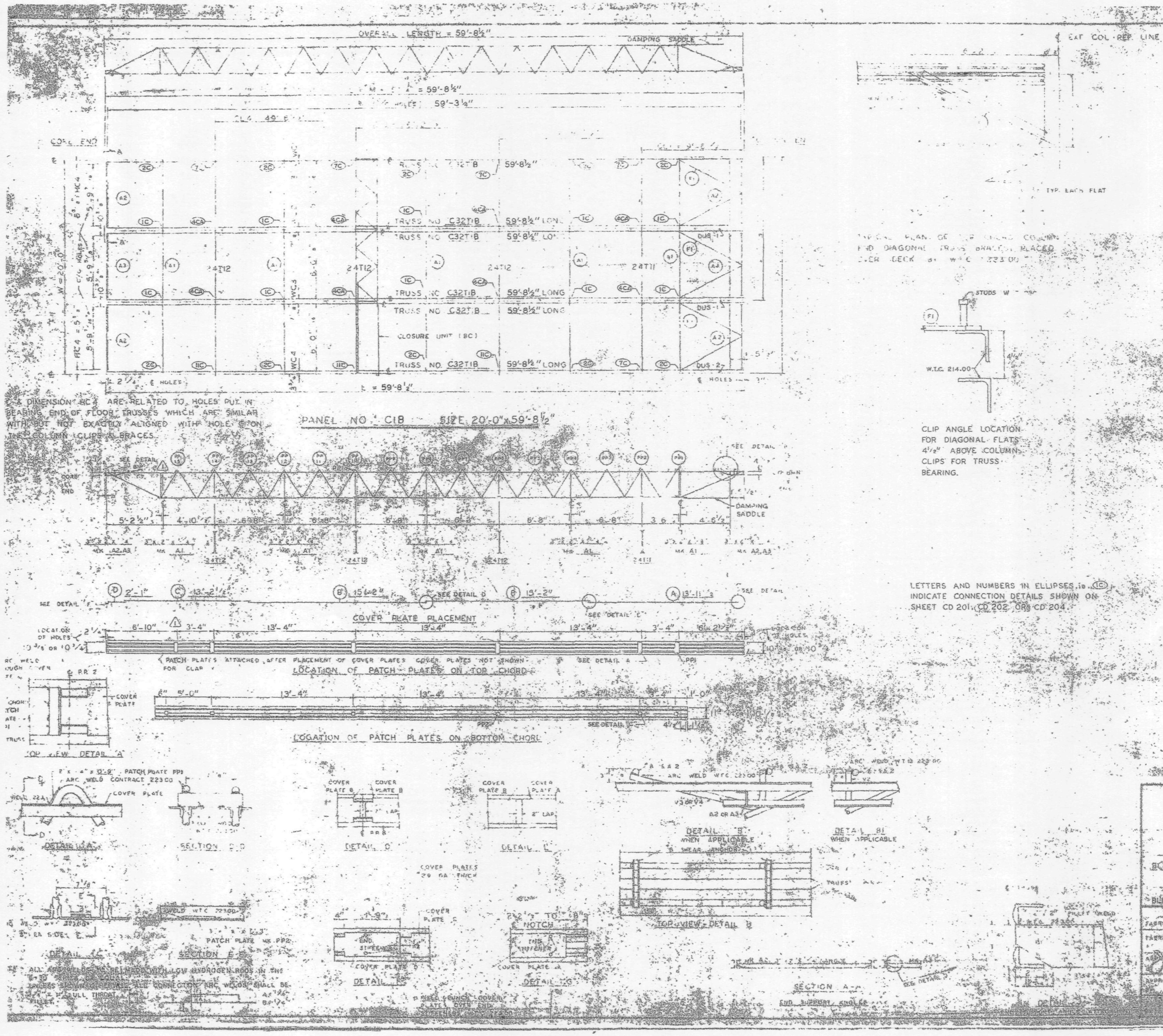
REF DRWG	
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-46	1-6-69
7-AB1-24	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 78 (NORTH)
PANEL CR3P 20'-0" x 57'-7"
BLDG. B FLOORS 78 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-46
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 7/3/69	DRAWN BY [initials] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969
DETAILED BY	FABRICATION CONT. NO. WTC 221
	IN CHARGE PROD. DEV.
	SHEET NO. FP CR3P



REQUIRED MATERIAL				
MATERIAL	MK	[illegible]	SIZE	[illegible]
FLOOR TRUSSES	T1B	[illegible]	[illegible] 59'-8½"	ST 2[illegible] B
	[illegible]	[illegible]	[illegible]	[illegible]
BRIDGING TRUSSES	T11	1	24T11 x 19'-1[illegible]"	ST [illegible]
	T12	3	24T12 x 19'-1[illegible]"	[illegible]
[illegible] ANGLE	A1	[illegible]	[illegible]	[illegible]
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 40[illegible]
	A3	2	3" x 2" x ¼" x [illegible]	ST 40[illegible]
[illegible]	[illegible]	[illegible]	1½" x [illegible]" x 6'-6"	ST 40[illegible]
PATCH PLATES	PP1	18	2" x [illegible]" x 0'-9"	ST 400
	PP2	16	3" x [illegible]" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.135 x 13'-[illegible]"	[illegible]
	B	6	9" x 0.135" x 13'-2"	[illegible]
	C	3	9" x 0.135 x 13'-2	ST 40[illegible]
	D	3	9" x 0.135" x 2'-1"	ST 40[illegible]
ANGLE CLIPS	C1	21	2" x 2½" x ¼" x 0'-6	ST 400
SHEAR ANCHOR	SA2	12	[illegible] REBAR [illegible]	[illegible]
DAMPING SADDLE	DUS-1	2	3½" x 3½" x [illegible]	[illegible]
	DUS-2	1	3½" x 3½" x [illegible]	[illegible]
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1½" x [illegible]	ST 2[illegible]
			[illegible]	[illegible]
CONNECTION PLATES	P1	5	[illegible]	[illegible]
	P2	4	[illegible] x .30" x [illegible]	ST 400
	P3	1	[illegible] x .30" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202, OR CD 204.

1	6-5-69	AS NOTED
NO.	DATE	REVISION

1 REF DRWG

NOTE: ALL WELDING TO BE MADE WITH LOW HYDROGEN RODS IN THE [illegible]

FLOOR PANEL DETAILS

WORLD TRADE CENTER

FOR

THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 83-91, 93-106 (N)

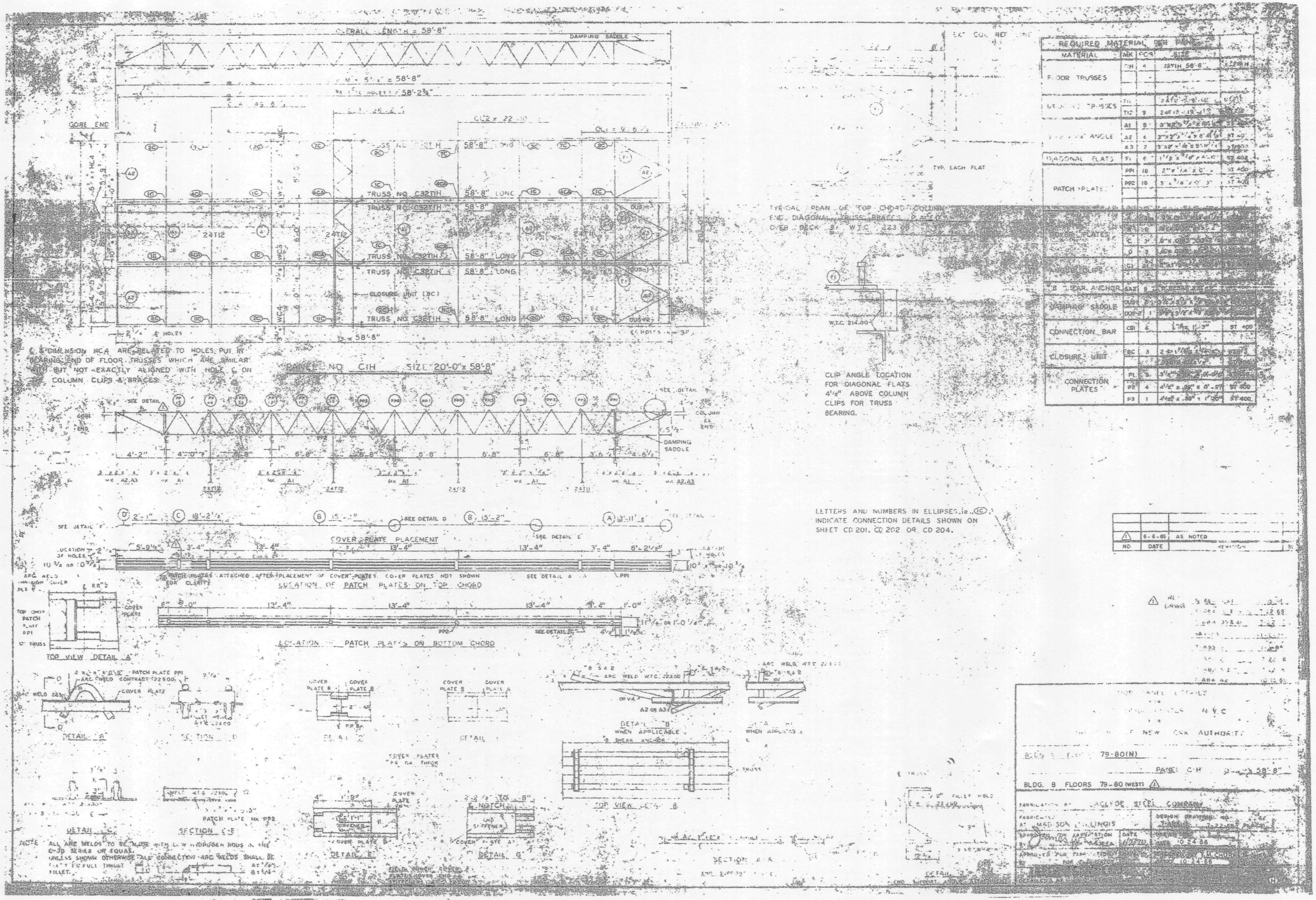
BLDG. B FLOORS 83-91, 93-106 [illegible]

FABRICATION BY LACLEDE STEEL

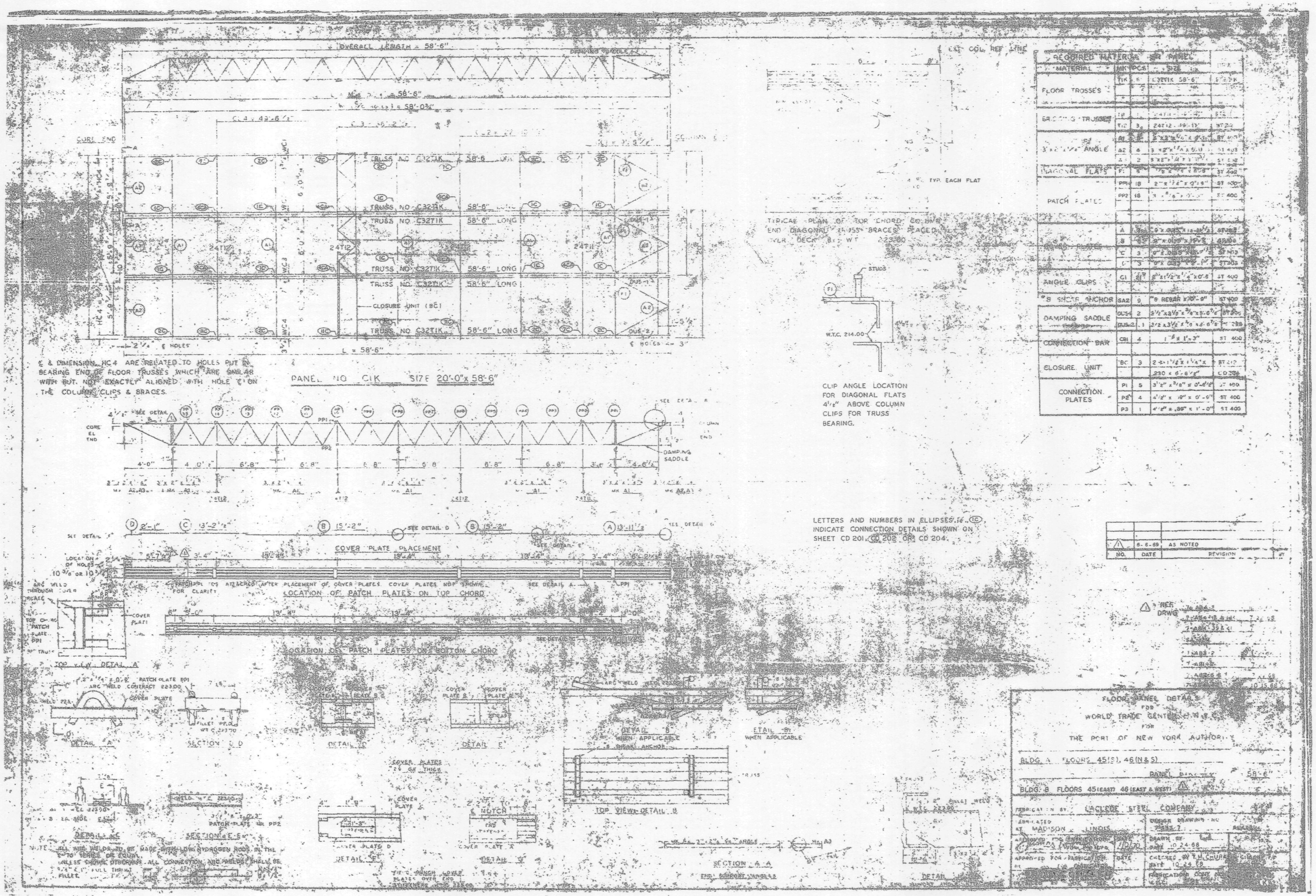
FABRICATED MADISON, ILLINOIS

APPROVED FOR FABRICATION 10-24-68

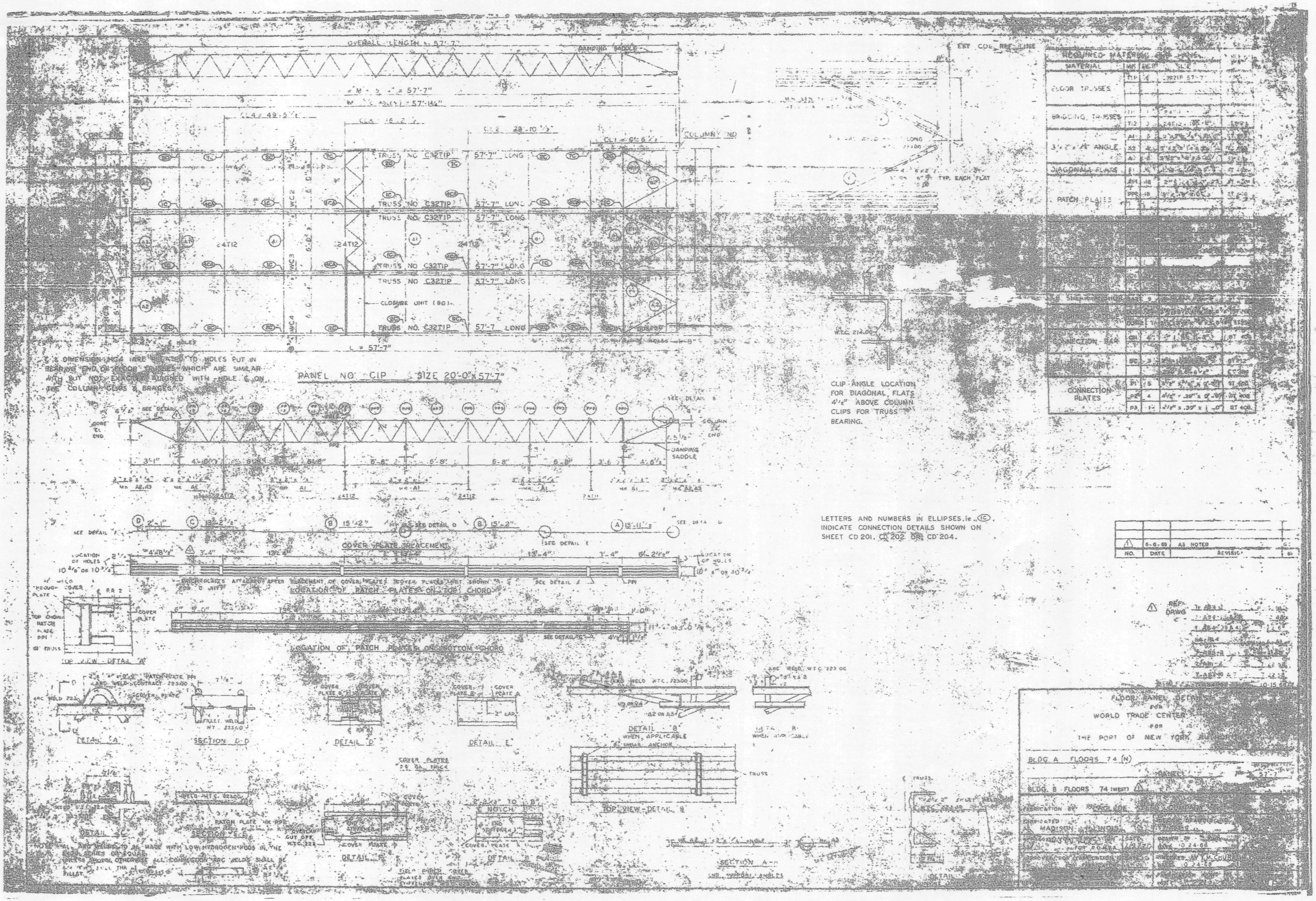
APPROVED FOR FABRICATION 10-24-68



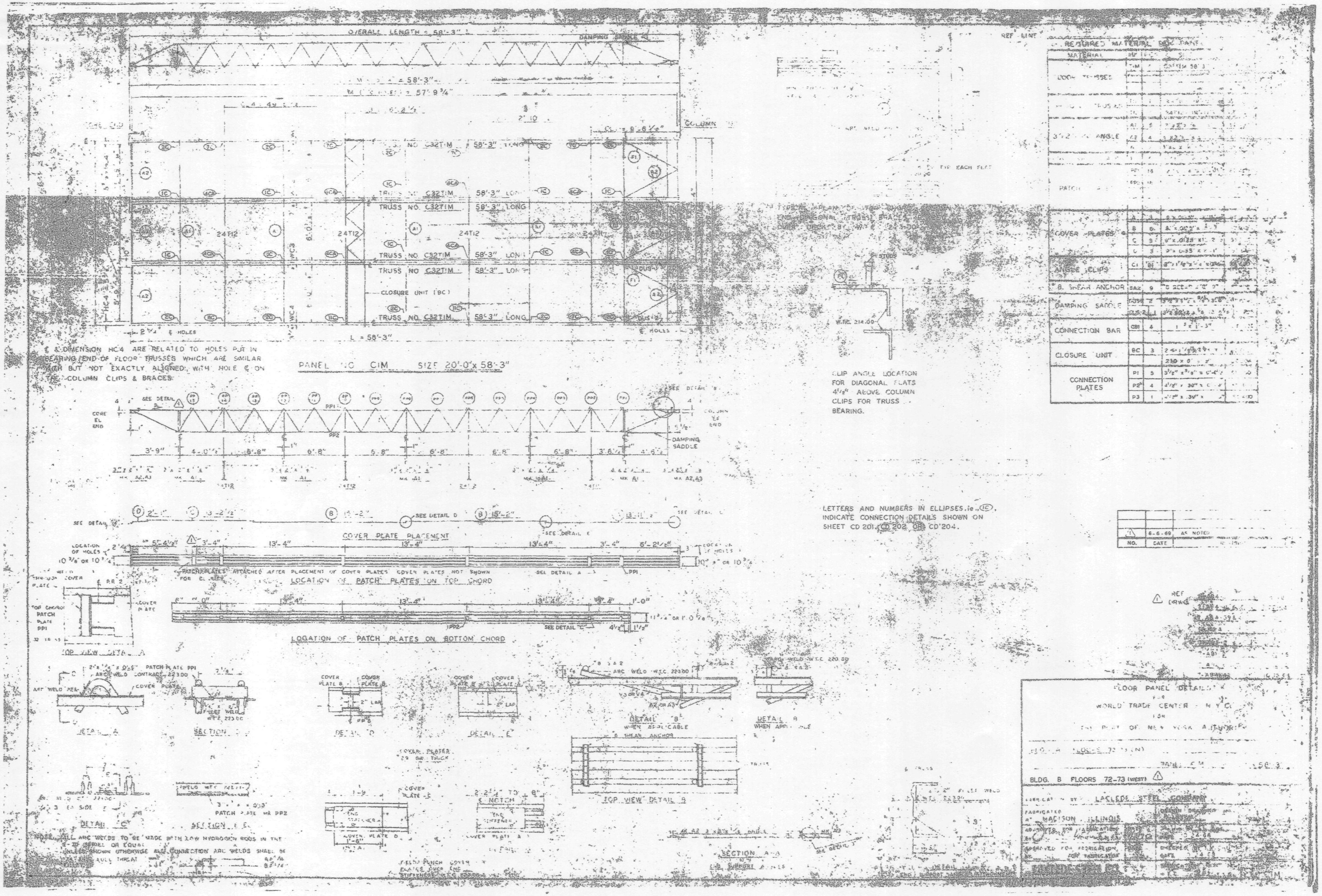
OVERALL LENGTH = 58'-8"
DAMPING SADDLE
CORE END
TRUSS NO. C32TIH
58'-8" LONG
CLOSURE UNIT (8C)
24T12
D = 58'-8"
C & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON COLUMN CLIPS & BRACES.
PANEL NO. C1H SIZE 20'-0" x 58'-8"
SEE DETAIL
COLUMN END
DAMPING SADDLE
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL "A"
DETAIL "A"
SECTION D-D
DETAIL "B"
WHEN APPLICABLE
SHEAR ANCHOR
TOP VIEW DETAIL B
PATCH PLATE MK PP2
SECTION E-E
DETAIL "F"
DETAIL "G"
SECTION A-A
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE FLAT FIELD FULL THROAT FILLET.
TYPICAL PLAN OF TOP CHORD COLUMN END, DIAGONAL TRUSS BRACES PLACED OVER DECK B W.T.C. 223.00
TYP. EACH FLAT
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
REQUIRED MATERIAL PER PANEL
MATERIAL
FLOOR TRUSSES
BRACING TRUSSES
ANGLE
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
ST 400
1 6-8-65 AS NOTED
NO DATE REVISION
THE PORT OF NEW YORK AUTHORITY
PANEL C-1H
BLDG. B FLOORS 79-80 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
10-24-66



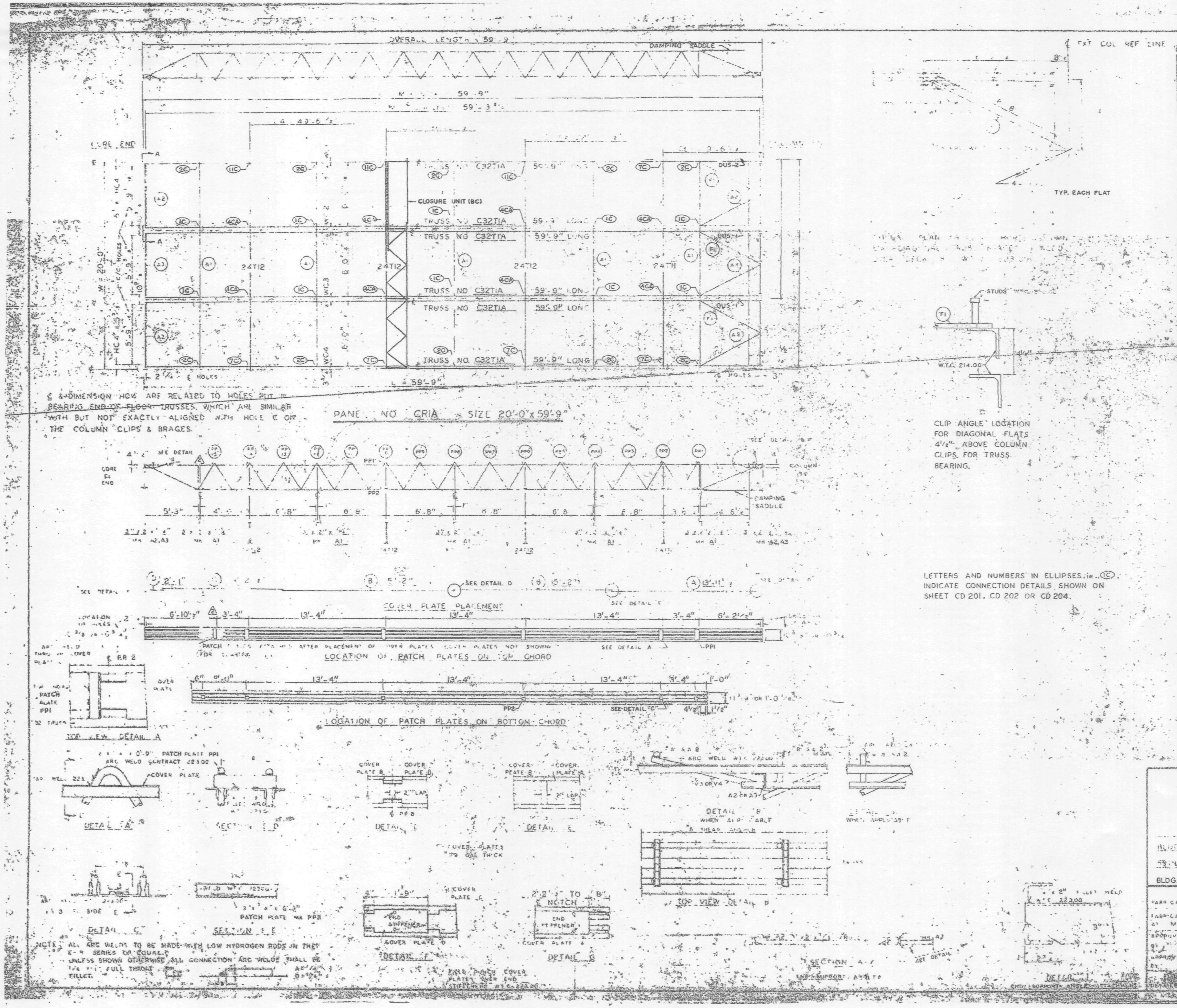
REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T1K	[illegible]	C32T1K 58'-6"	[illegible]
BRIDGING TRUSSES	T11	1	[illegible]	[illegible]
	T12	3	24T12 - [illegible]	ST 212
3"x2"x1/4" ANGLE	A1	[illegible]	[illegible]	ST 403
	A2	4	[illegible]	ST 403
	A3	2	[illegible]	[illegible]
DIAGONAL FLATS	F1	8	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	[illegible]	[illegible]	[illegible]
	B	[illegible]	[illegible]	[illegible]
	C	3	[illegible]	[illegible]
	D	3	[illegible]	[illegible]
ANGLE CLIPS	C1	[illegible]	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x [illegible]	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	[illegible]
	DUS-2	1	[illegible]	[illegible]
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	[illegible]	ST 212
			[illegible]	CD 234
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	4	[illegible]	ST 400
	P3	1	[illegible]	ST 400



OVERALL LENGTH = 57'-7"
DAMPING SADDLE
EXT. COL. REF. LINE
COLUMN NO.
TRUSS NO. C32T1P 57'-7" LONG
CLOSURE UNIT (9C)
L = 57'-7"
PANEL NO. C1P SIZE 20'-0" x 57'-7"
CORE END
COLUMN END
SEE DETAIL 'B'
SEE DETAIL 'D'
SEE DETAIL 'E'
COVER PLATE PLACEMENT
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL 'A'
DETAIL 'A'
SECTION D-D
DETAIL 'D'
DETAIL 'E'
DETAIL 'B' WHEN APPLICABLE SHEAR ANCHOR
TOP VIEW - DETAIL 'B'
SECTION A-A
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
REQUIRED MATERIAL
MATERIAL
FLOOR TRUSSES
BRIDGING TRUSSES
3 x 2 x 1/4 ANGLE
DIAGONAL FLATS
PATCH PLATES
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
6-6-69 AS NOTED
NO. DATE REVISION
REF. DRWG.
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
BLDG. B FLOORS 74 (WEST)
MADISON, ILLINOIS



OVERALL LENGTH = 58'-3"
DAMPING SADDLE
TRUSS NO. C32T1M 58'-3" LONG
CLOSURE UNIT (BC)
L = 58'-3"
PANEL NO. C1M SIZE 20'-0"x 58'-3"
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW DETAIL A
DETAIL A
SECTION
DETAIL D
DETAIL E
DETAIL B WHEN APPLICABLE
TOP VIEW DETAIL B
DETAIL C
SECTION E-E
SECTION A-A
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
REQUIRED MATERIAL PER PANEL
MATERIAL
COVER PLATES
ANGLE CLIPS
B. SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
6-6-69 AS NOTED
NO. DATE
FLOOR PANEL DETAILS
WORLD TRADE CENTER
BLDG. B FLOORS 72-73 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9	ST204
[illegible]	T11	1	24T[illegible] 19'-11"	BT211
	T12	3	24T12 19'-11"	BT212
[illegible] ANGLE	A1	5	3" x 2" x 1/4 x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4 x 5'-[illegible]	ST 403
	A3	2	3" x 2" x 1/4 x 5'-[illegible]	ST 403
[illegible]	F1	5	[illegible] x 6'-8	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible] - 3"	ST 400
COVER PLATES	A	3	9" x 0.35 x [illegible]	ST 303
	B	6	9" x 0.35" x 5'-2	ST 303
	C	3	9" x 0.35" x 2'-2"	ST 303
	D	3	9" x 0.35" x 2'-1"	ST 303
ANGLE CLIPS	[illegible]	21	[illegible] x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	[illegible]	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2-4 x 1 1/2" x 1 1/4" x 230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1' 0"	ST 400

NO.	DATE	REVISION	BY
2	6-6-69	AS NOTED	G.D.C.
1	7-17-68	GENERAL	T.M.C.

(2) REF. DRWG.

[illegible] AB4-2	10-15-68
[illegible] AB4-1 & 6	7-22-68
7 AB4-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-5-68
7 AB1-2	7-22-68
7 AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

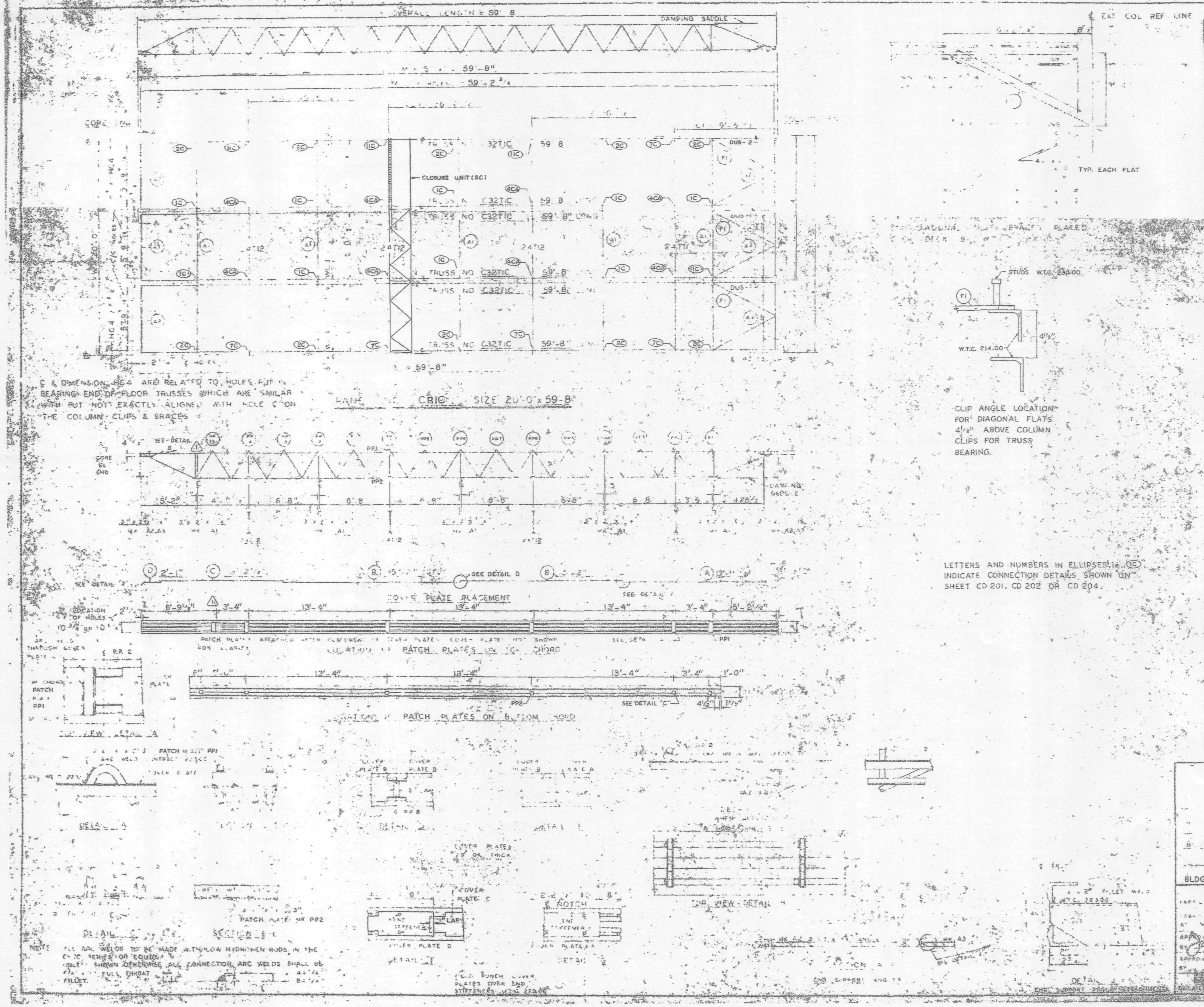
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS [illegible] 24, 26-38 (NORTH & SOUTH) 49-58, 60-66, 68, 69 NORTH PANEL CRIA [illegible] 59'-9"

BLDG. B FLOORS 14-24, 26-38 (EAST & WEST) 49-58, 60-69 (WEST) (2)

FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY [illegible]	DATE [illegible]	DESIGN DRAWING NO. 7-AB3-B [illegible] 4-1-68	DATE
		DRAWN BY [illegible] DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY [illegible] DATE APRIL 10, 1968	[illegible]
DETAILED [illegible]		FABRICATION CONT. NO. W.T.C. [illegible]	SHEET [illegible] CRIA



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	1C	6	C32T1C - 59'-8"	ST 20?C
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12, 19'-11"	BT212
3"x2"x1/4 ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 1/16	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11"	ST 303
	B	6	9" x .0135" x 16'-9"	ST 303
	C	3	9" x .0135" x 13'-2 1/8	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 ∠s 1 1/2" x 1 1/4" x	BT212
			250 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	9	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

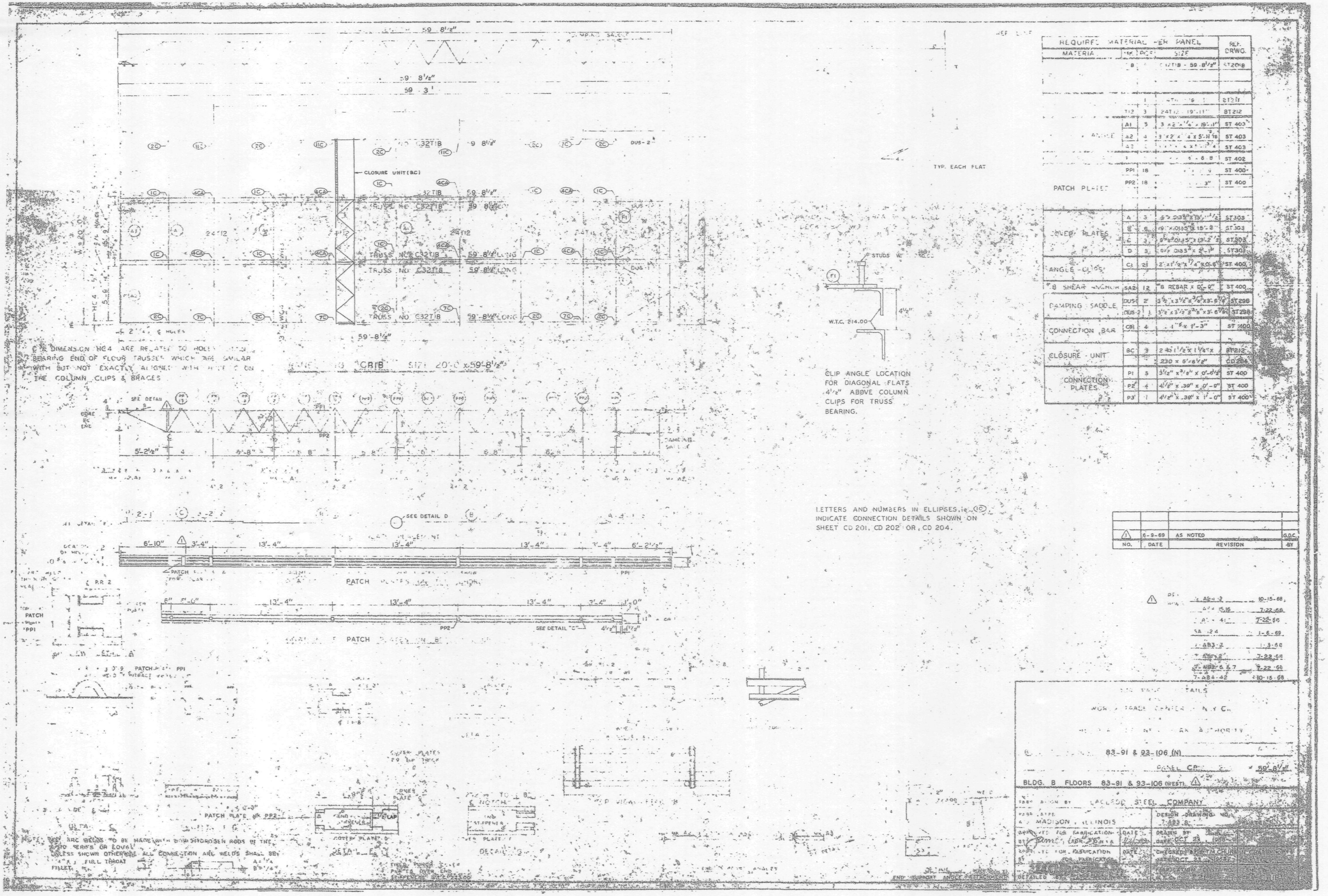
NO.	DATE	REVISION	BY
1	8-9-69	AS NOTED	G.D.

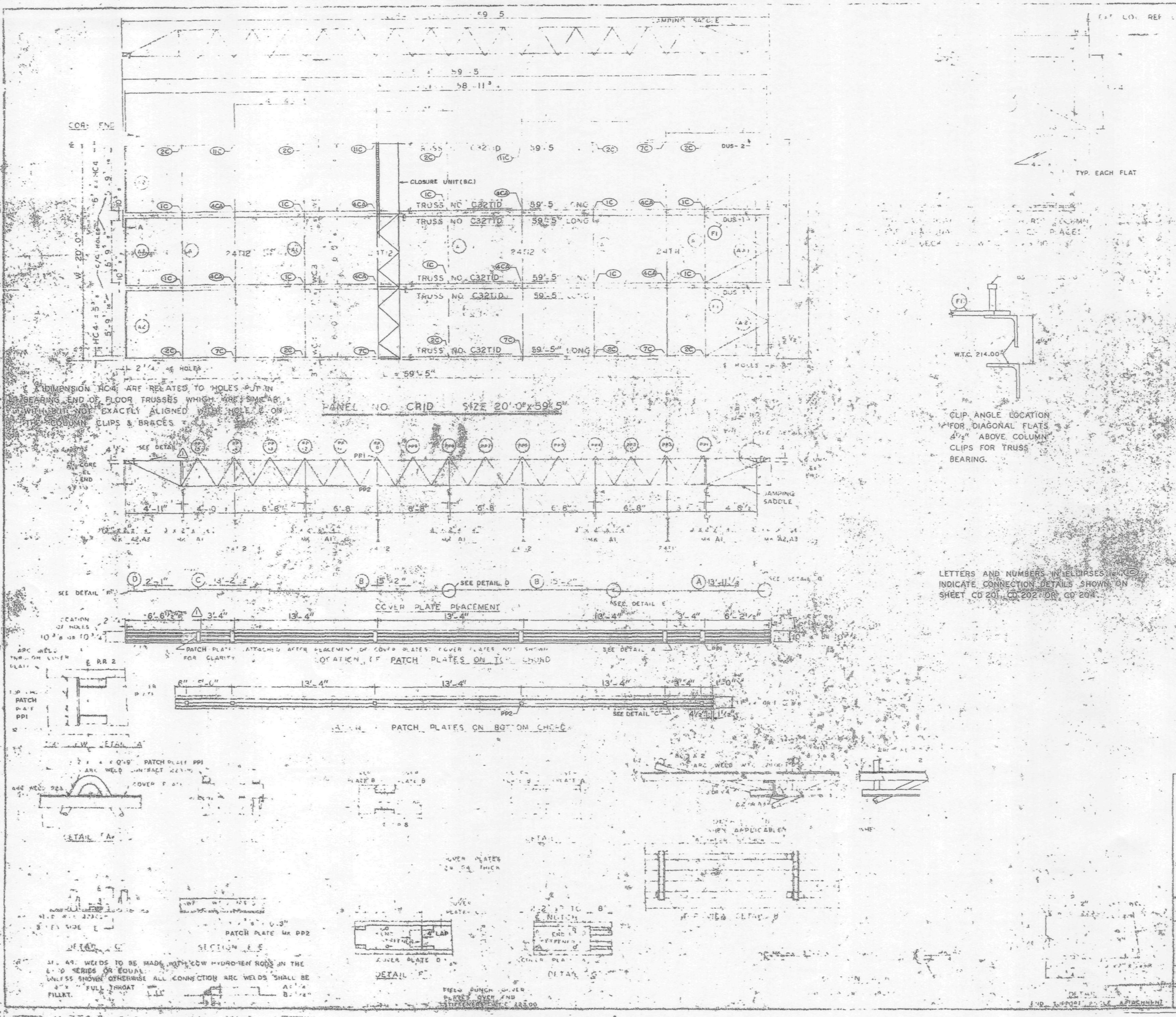
REF. DRWG (1)
7-AB4-3 — 10-15-68
7-AB4-15,16 & 39 — 7-22-68
7-AB4-41 — 7-22-68
5A-R2A — 1-6-69
7-AB3-2 — 1-3-68
7-AB1-2 — 7-22-68
7-AB2-6 & 7 — 7-22-68
7-AB4-42 — 10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
B FLOORS 49-58, 60-66, 68-74, 79-91 & 93-106
PANEL CRIC - 20'-0"
BLDG. B FLOORS 49-58, 60-74, 79-91 & 93-108 (EAST) (1)

FABRICATED BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION BY	DATE	DESIGN DRAWING NO. 7-AB3-8	
		DRAWN BY	DATE OCT 23, 1968
APPROVED FOR FABRICATION BY	DATE	CHECKED BY T.M. CHUR	DATE OCT 23, 1968


REQUIRED MATERIAL PER PANEL
REF. DRWG.
CLOSURE UNIT (BC)
TYP. EACH FLAT
PATCH PLATES
COVER PLATES
ANGLE CLIPS
SHEAR ANCHOR
DAMPING SADDLE
CONNECTION BAR
CLOSURE UNIT
CONNECTION PLATES
TRUSS NO. C32T1B
59'-8½" LONG
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
LETTERS AND NUMBERS IN ELLIPSES, i.e. INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.
6-9-69 AS NOTED
NO. DATE REVISION BY
PATCH PLATES
SEE DETAIL D
SEE DETAIL "C"
83-91 & 93-106 (N)
BLDG. B FLOORS 83-91 & 93-106 (WEST)
LACLEDE STEEL COMPANY
MADISON, ILLINOIS
DESIGN DRAWING NO.
APPROVED FOR FABRICATION
END SUPPORT ANGLE ATTACHMENT



C & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES.

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/8" FULL THROAT FILLET.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	D	6	C32T1D - 59'-5"	ST201D
[illegible]	[illegible]	1	24T1 - 19'-11"	BT211
	T-2	3	24T12 - 19'-11"	BT212
[illegible] ANGLE	A1	5	3"x2"x1/4 x 19'-11"	ST 403
	A2	4	3"x2"x1/4 x 5'-11 9/16	ST 403
	A3	2	[illegible]x2"x1/4 x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x[illegible]/8" x 5'-8"	ST 402
PATCH PLATES	PP1	18	2"x1/4"x 0'-9	ST 400
	PP2	18	3"x3/8"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11 1/2"	ST303
	B	6	9"x .0135"x 15'-2"	ST303
	C	3	9"x .0135"x 13'-2 1/2"	ST303
	D	3	9"x .0135"x 2'-1"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x 0'-6	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x[illegible]	[illegible]
	DUS-2	1	[illegible]	[illegible]
CONNECTION BAR	CB1	[illegible]	[illegible]	[illegible]
CLOSURE UNIT	BC	3	[illegible]	[illegible]
			230 x 6'-8 1/2" [illegible]	[illegible]
CONNECTION PLATES	P1	5	3 1/2" x [illegible]	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	6-9-69	AS NOTED	G.O.C.

REF DRWG.

7-AB4-3	10-15-68
7-AB4-15,18 & 39	7-22-68
7-AB4-41	7-22-68
SA-12A	1-6-69
7-AB3-2	1-3-68
7-AB1-2	7-22-68
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 81-82 (N)

PANEL CRID 20'-0"

BLDG. B FLOORS 81-82 (WEST) ⚠1

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-8

APPROVED FOR FABRICATION BY [illegible] - PONYA

DRAWN BY [illegible] DATE OCT 23, 1968

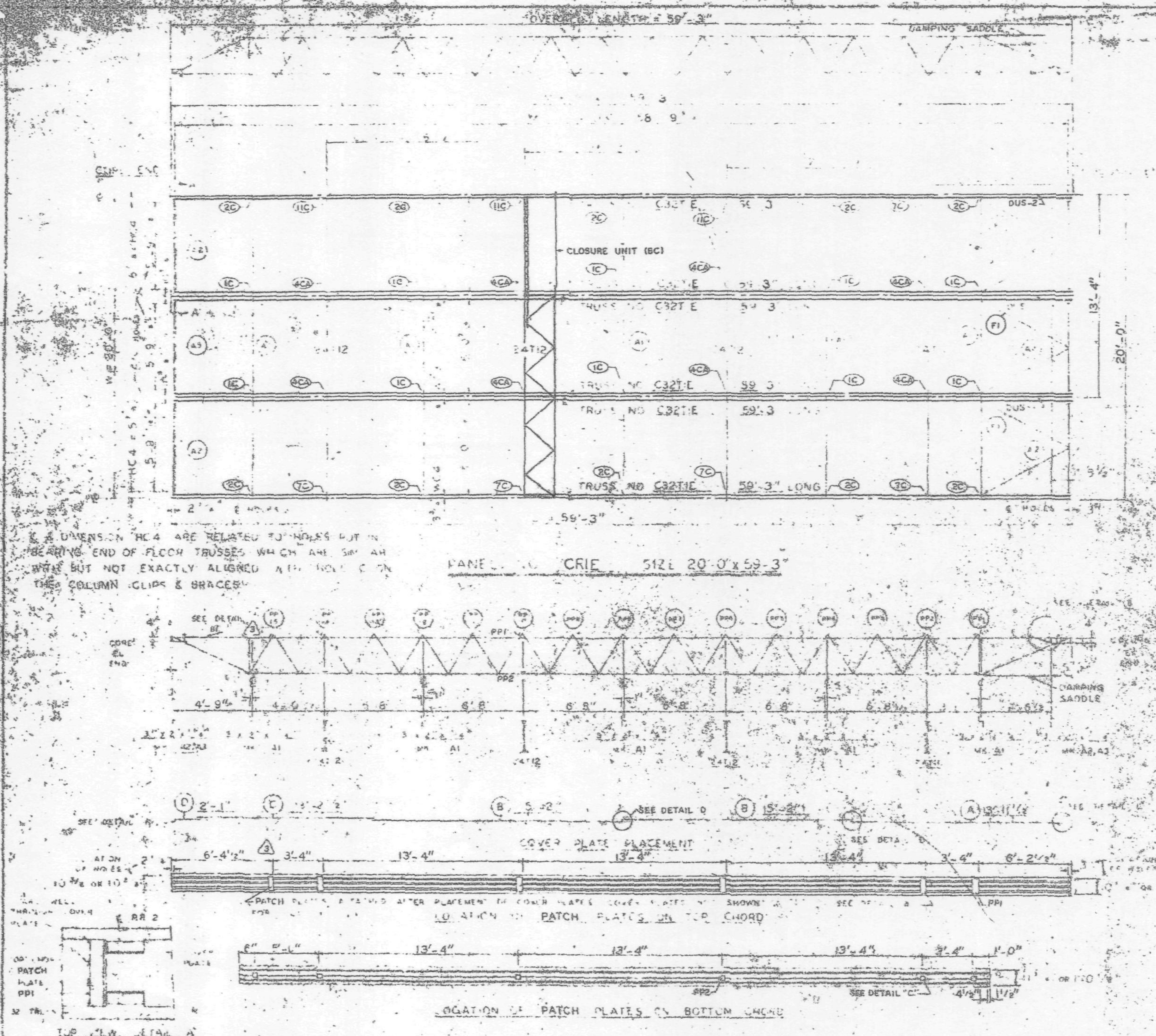
APPROVED FOR FABRICATION BY [illegible]

CHECKED BY T.M. CHURA [illegible] DATE OCT 23, 1968

DETAILED BY S.A. SCHEFER[illegible]

FABRICATION CONT. NO. [illegible]

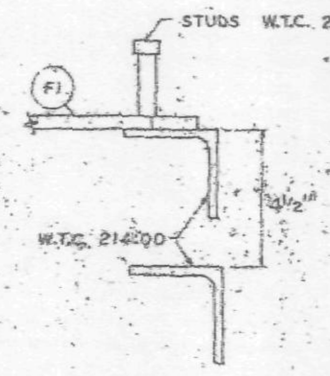
CRID



DIMENSION "HC4" ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLES IN THE COLUMN CLIPS & BRACES.

TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00

TYP. EACH FLAT

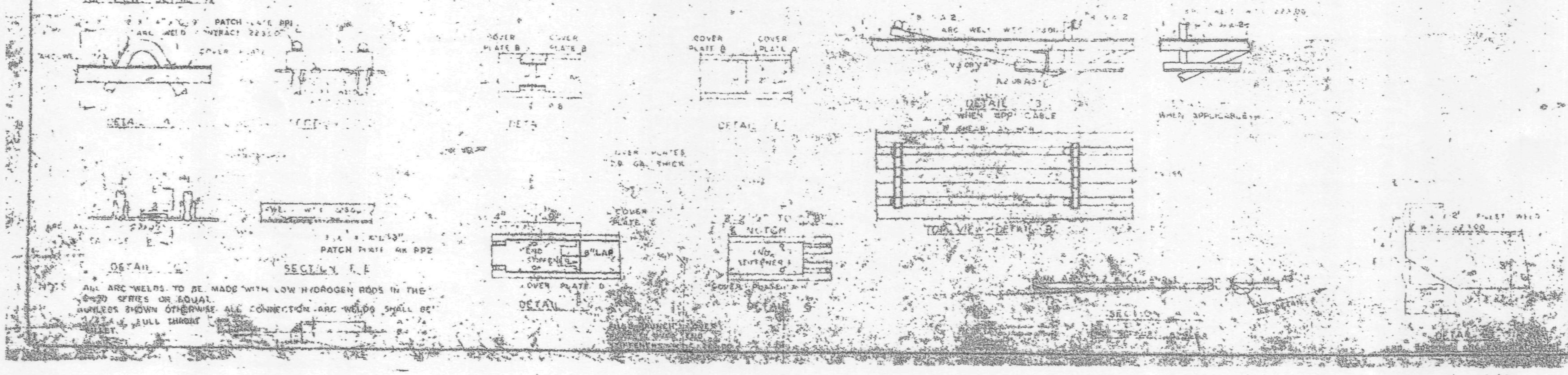


CLIP ANGLE LOCATION FOR DIAGONAL FLATS $4^{1}/_{8}$" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 202 OR CD 204.

REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	REF. DWG.
FLOOR TRUSSES	[illegible] E	[illegible]	[illegible] E 59'-3"	[illegible] E
BRIDGING TRUSSES	[illegible]	[illegible]	24T [illegible]	[illegible]
	T12	3	24T12 [illegible]	BT 2[illegible]
3 x 2 [illegible] ANGLE	A1	3	3 x 2" x [illegible]	ST 403
	A2	4	[illegible]	ST 403
	[illegible]	2	[illegible]	ST 403
[illegible] PLATES	F	8	[illegible]	ST 402
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	[illegible]	ST 400
COVER PLATES	A	3	[illegible]	[illegible]
	B	6	9 x .335 x [illegible]	[illegible]
	C	3	9 x 0.335 x [illegible]	[illegible]
	[illegible]	3	9 x 0.335 x 2'-1"	[illegible]
ANGLE CLIPS	[illegible]	21	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-6"	ST 400
DAMPING SADDLE	[illegible]	[illegible]	[illegible]	ST 398
	DUS-2	1	[illegible]	ST 398
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CLOSURE UNIT	BC	3	[illegible]	BT 212
			230 x 5'-[illegible]	CD 204
CONNECTION PLATES	P1	5	$3^{1}/_{2}$" x [illegible] x 0'-[illegible]	ST 400
	P2	4	$4^{1}/_{2}$" x .39" x 0'-9"	ST 400
	P3	1	$4^{1}/_{2}$" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION
3	6-9-68	AS NOTED
2	10-16-68	MAT'L LIST
1	7-17-68	GENERAL



ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE [illegible] FULL THROAT.

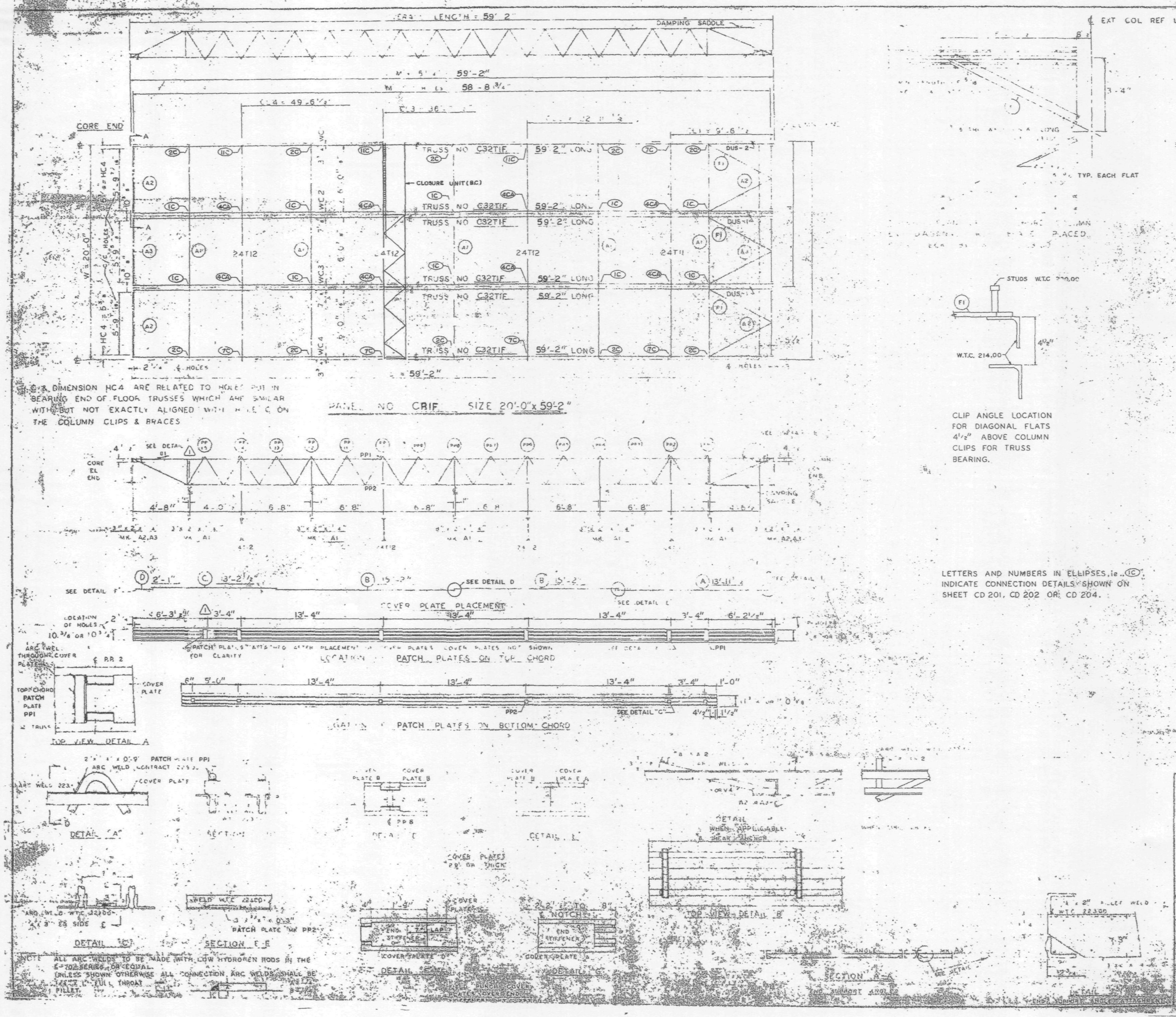
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER [illegible] FOR PORT OF NEW YORK AUTHORITY

10-11 (SOUTH)

PANEL CRIE

FABRICATED BY LACLEDE STEEL COMPANY

MADISON, ILLINOIS



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1F	6	C32T1F - 59'-2"	ST201F
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x .4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST303
	B	6	9" x .0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x 2'-1"	ST303
ANGLE CLIPS	C1	21	[illegible]	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR [illegible]	ST403
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	[illegible]
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	[illegible]
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2" x 1 1/4" x	BT212
			230 x 5'-6 1/2"	CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .30" x 0'-9"	ST 400
	P3	1	4 1/2" x .30" x 1'-0"	ST 400

NO.	DATE	REVISION
1	8-9-69	AS NOTED

REF. DRWG.
- 7-AB4-15,16 & 39
- 7-AB4-41
- SA-124 — 1-6
- 7-AB3-2
- 7-AB1-2 — 7-22
- AB2-5 & 7 — 7-22
- 7-AB4-42

PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48 (S) 47-48, 70-71 (N)

PANEL CRIF 20'

BLDG. B FLOORS 47-48 (EAST & WEST) 70-71 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

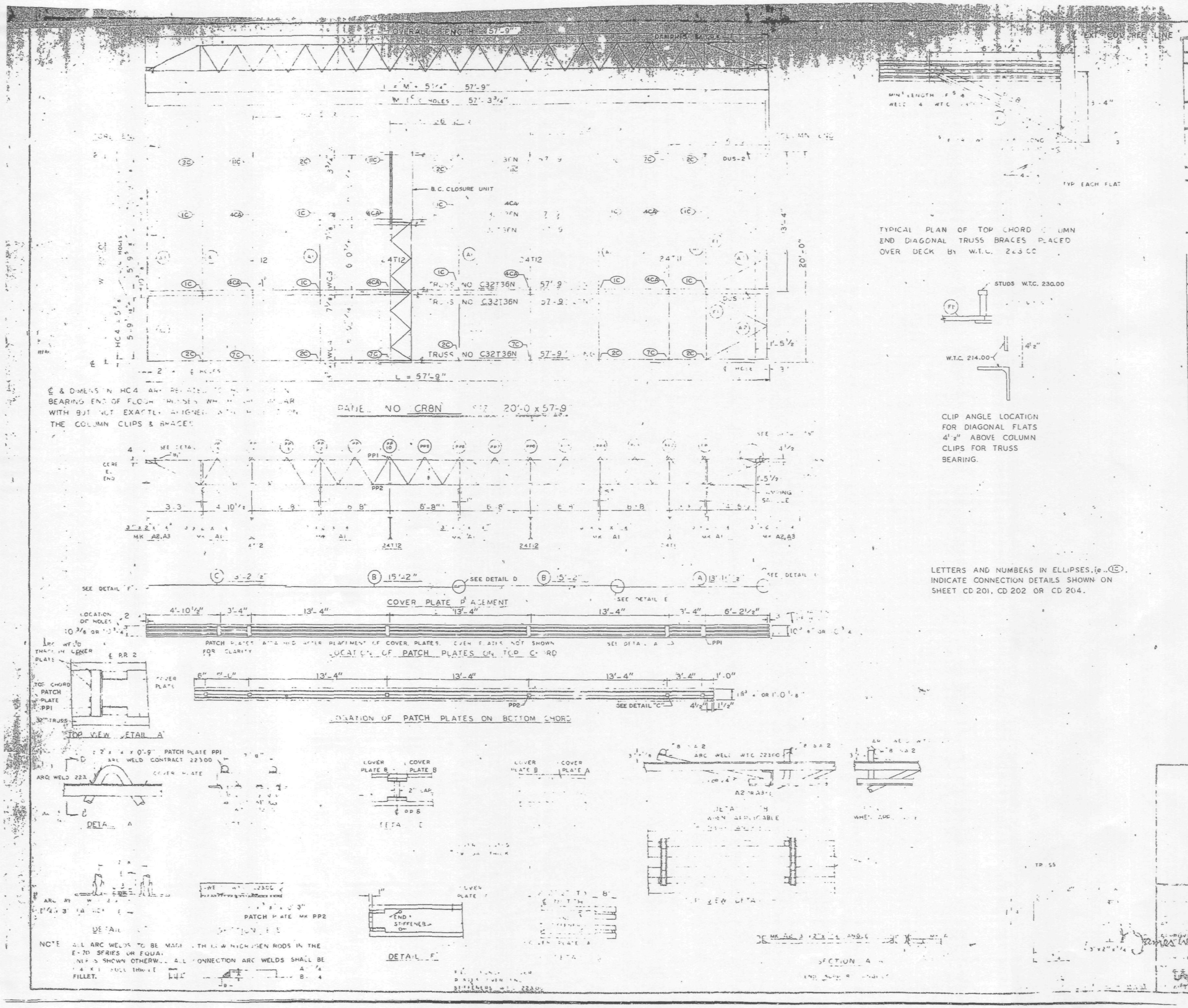
APPROVED FOR FABRICATION FOR P.O.N.Y.A.

DATE OCT 23, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR

CHECKED BY TMC

DATE OCT 23



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
BRIDGING TRUSSES	T11	1	24 ... 19'-11"	BT211
	T12	3	24. 2 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	9	3"x2"x1/4"x 19'-1"	ST 403
	A2	4	3"x2"x1/4"x 5'-11"	ST 403
	A3	2	3"x2"x1/4"x 5' [illegible]	ST 403
[illegible]	F	5	[illegible] x 3'-8	ST 402
PATCH PLATES	PP1	8	[illegible] 9	ST 400
	PP2	8	[illegible]	ST 400
COVER PLATES		3	[illegible]	ST 303
		5	[illegible]	ST 303
	C	3	9 x .0135" x 13'-2 1/2"	ST 303
ANGLE CLIPS	C1	21	2 x 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#6 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	[illegible]	[illegible] 2" x 3/8 x 3'-6 7/8"	ST 298
CONNECTION BAR	CBL	4	1 [illegible] x 1'-3"	ST 400
CLOSURE UNIT ⚠1	BC	3	1 1/4" O TUBE x 6'-6 1/2"	BT 212
				CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO	DATE	REVISION	BY
1	4-24-69	AS NOTED	G.D.C.

7-AB4-19 12-20-68
10-15-68
7-22-68
7-22-68
1-6-69
57 1-6-69
32 1-8-69
7-22-68
42 10-15-68

CR8N 7-9

APPROVED *James White* 6/12/69

DRAWING NO. 7-3 57

PLATE

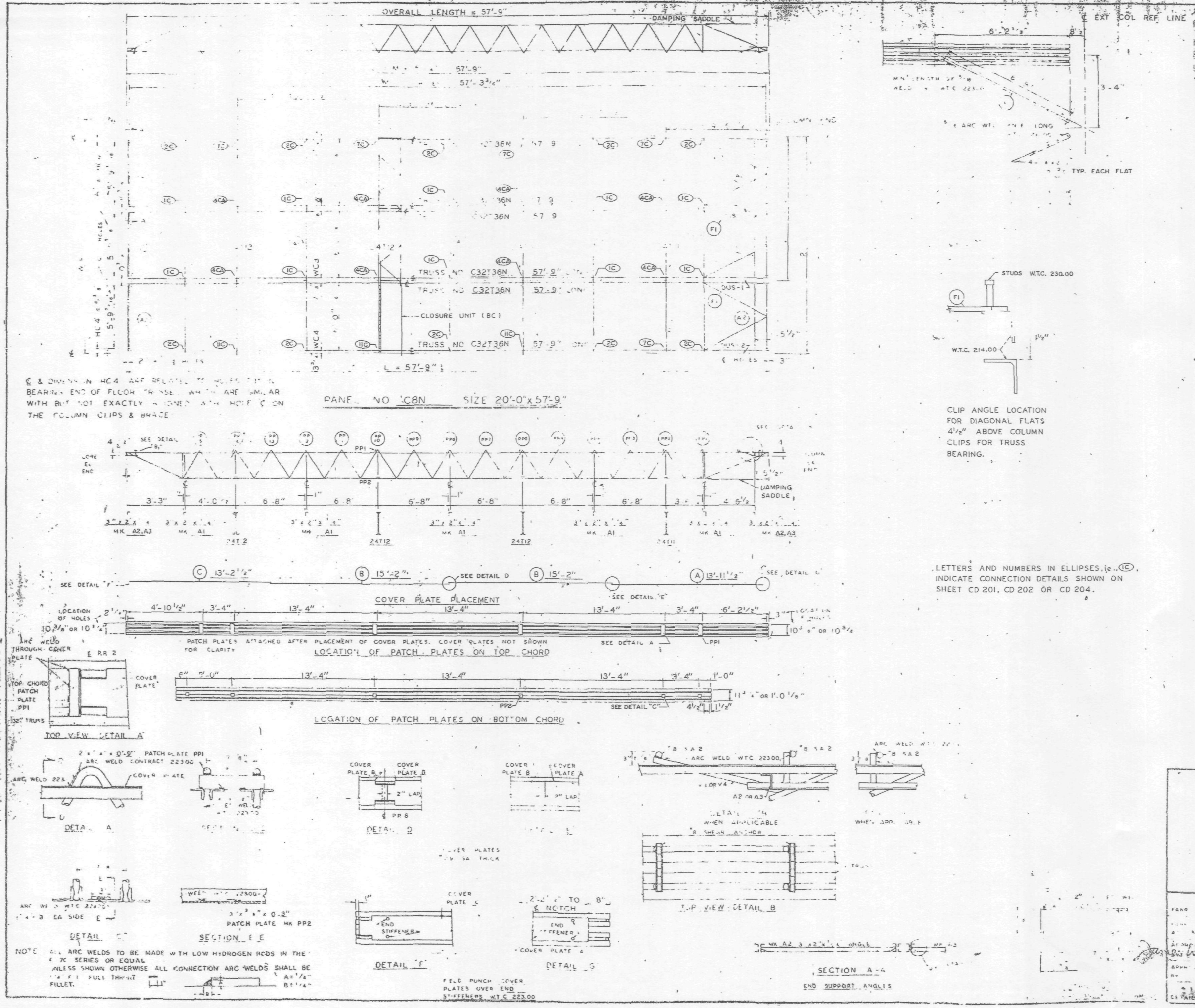
DRAWN BY
DATE MARCH 31, 1969

CHECKED BY T.M. CHURA
DATE MARCH 31, 1969

IN CHARGE OF PROD. DEV.

FABRICATION CONT. NO. 221

SHEET NO. FP CR8N



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T36N	6	[illegible] -9"	ST 236N
BRIDGING TRUSSES	T11	1	24T11 - 19'-11"	BT211
	T12	3	24T12 - 19'-11"	BT212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
DIAGONAL FLATS	F1	[illegible]	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	[illegible] x 3/8" x [illegible]-3"	ST 400
COVER PLATES	[illegible]	3	[illegible]	ST 303
	[illegible]	[illegible]	[illegible] 5-2	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
ANGLE CLIPS	C1	21	2" x [illegible]/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA8	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	[illegible] x 3 1/2" x 3/8" x [illegible]-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" Ø x 1'-3"	ST 400
CLOSURE UNIT ⚠1	BC	3	1 1/4" □ TUBE x 6'-6 1/2"	BT 212
				CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	4-24-69	AS NOTED	G.D.

REF DWGS

7-AB4-19	12-20-68
7-AB4 [illegible]	10-15-68
7-AB4 5 & 6	7-22-68
7-AB4 41	7-22-68
SA 124	1-6-69
7-AB3-56	1-6-69
7-AB1 32	1-6-69
7-AB2 6 & 7	7-22-68
7-AB4-42	10-15-68

44 (SOUTH END)

C8N [illegible] 7-9

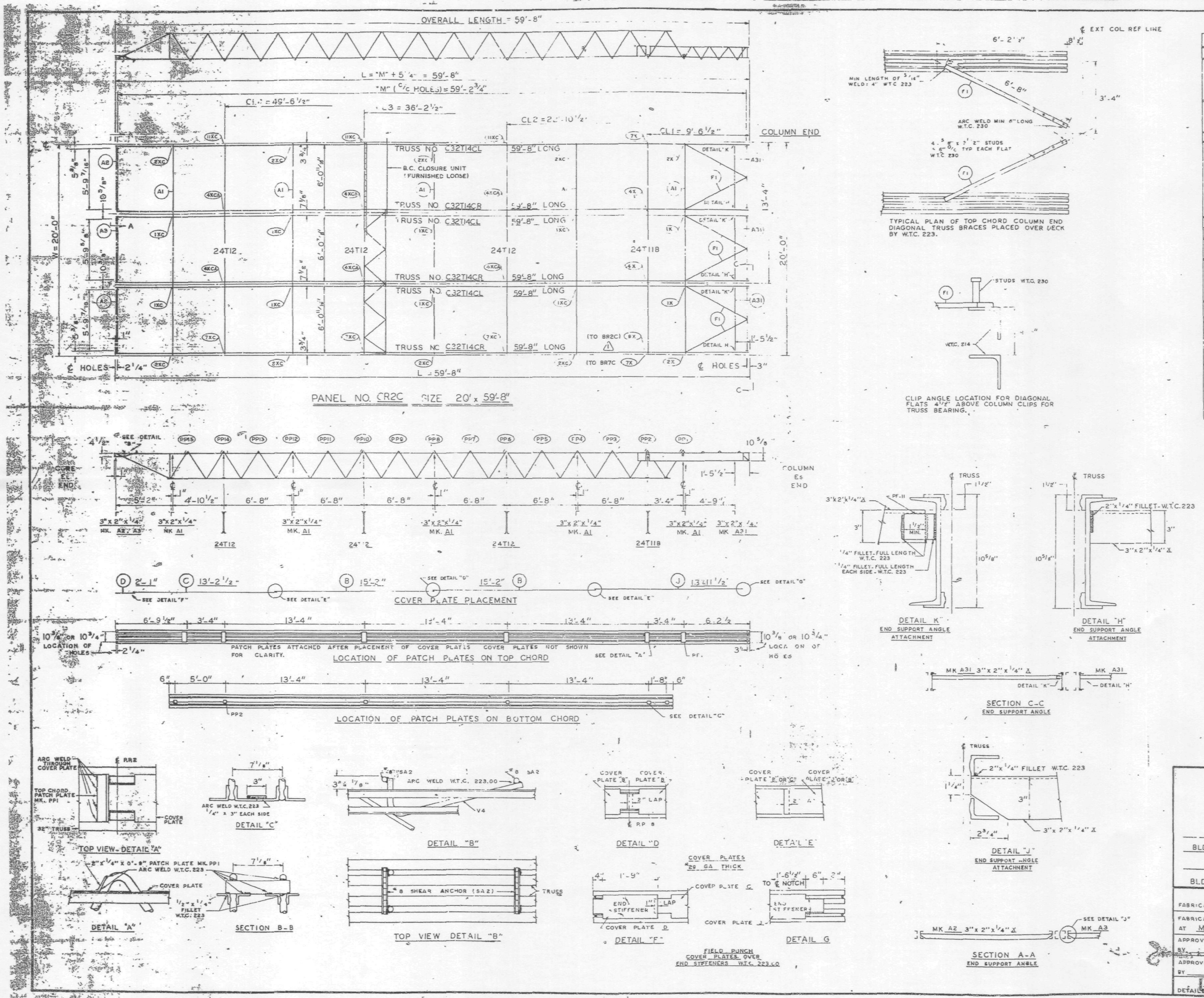
COMPANY

DESIGN DRAWING NO [illegible] 593 56 — PLATE [illegible]

DRAWN BY [illegible] DATE MARCH 31, 1969	
CHECKED BY T.M. CHURA DATE MARCH 31, 1969	IN CHARGE OF PROD. DEV.
FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C8N

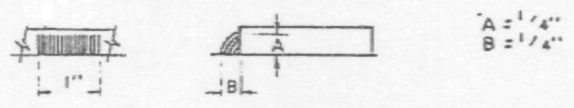
APPROVED FOR [illegible] DATE 6/[illegible]/69

APPROVED FOR FABRICATION DATE



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	2 1/2" x 5/8" x 5'-8"	ST 402
PATCH PLATES	PP1	6	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



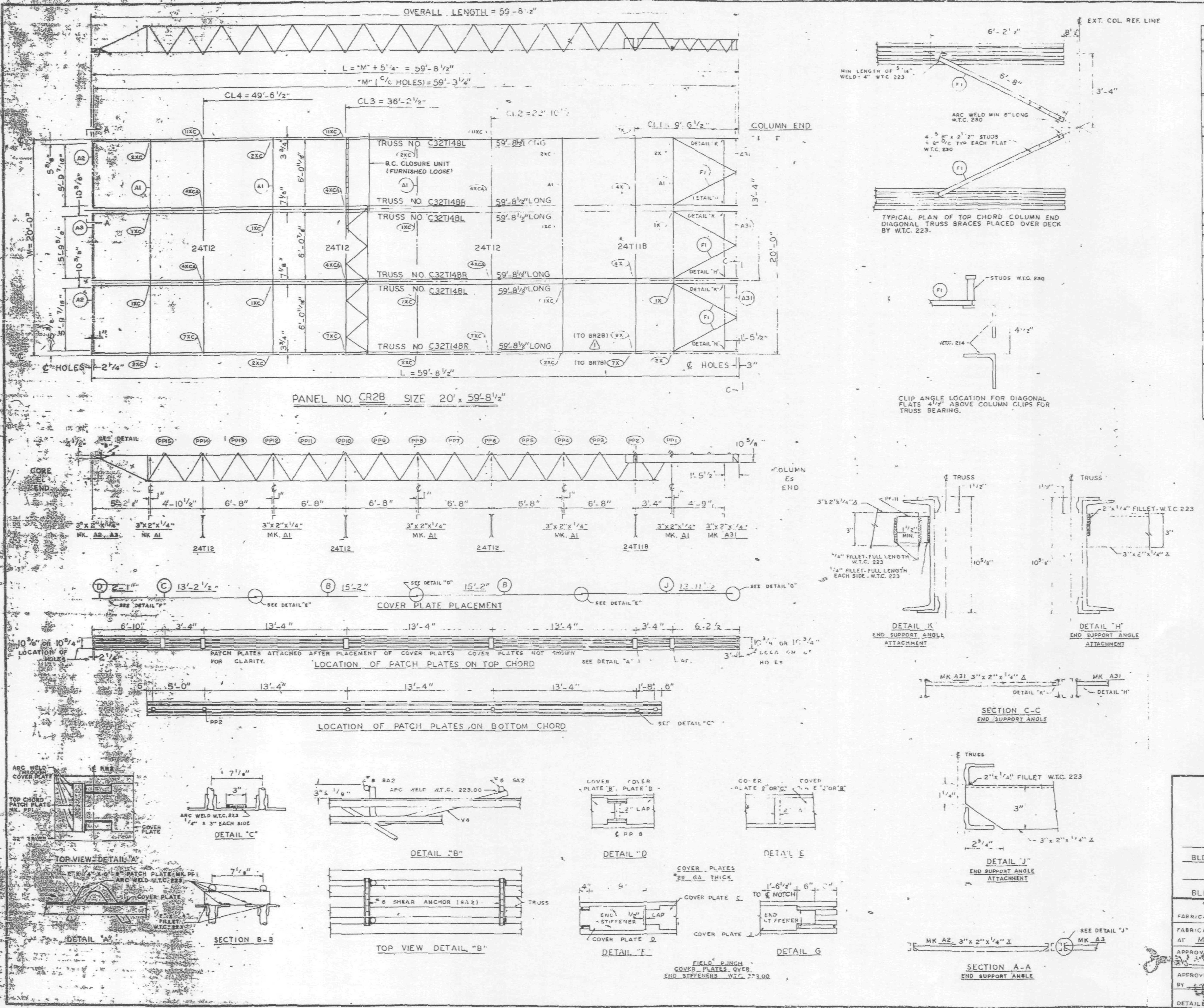
NO.	DATE	REVISION
1	5-12-69	AS NOTED

REF. DRWG.		
	7-AB3-29	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB2-7	7-22-68
	7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL CR2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-29 PLATE
APPROVED FOR FABRICATION BY ___ FOR PONYA DATE 6/6/69
DRAWN BY [signature] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED LACLEDE STEEL CO.
FABRICATION CONT NO W.T.C. 221
SHEET NO FP CR2C



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	3	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	3	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" ☐ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.C.

REF. DRWG.		
	7-AB3-29	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB2-7	7-22-68
	7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

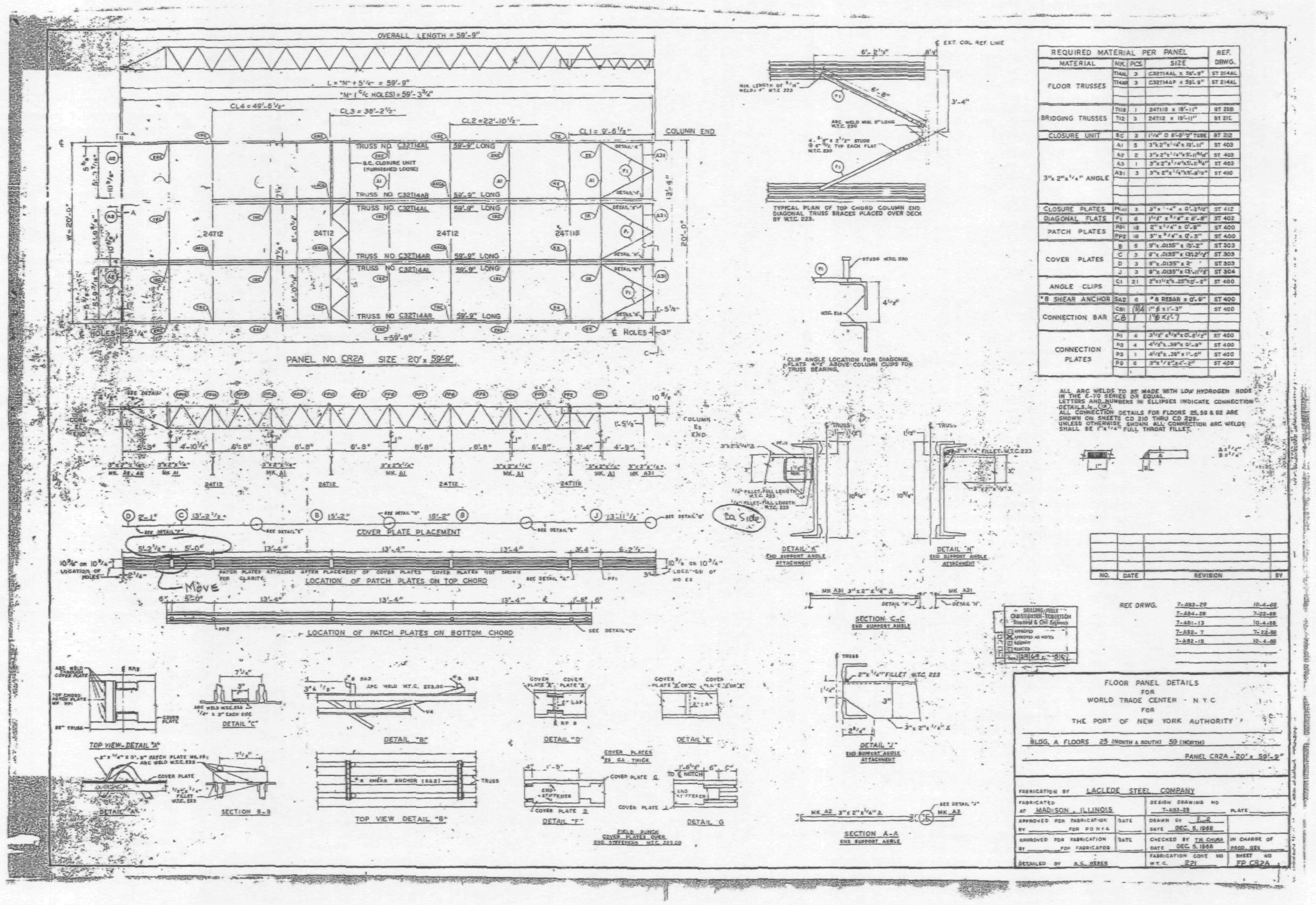
BLDG. A FLOORS 92 (NORTH)

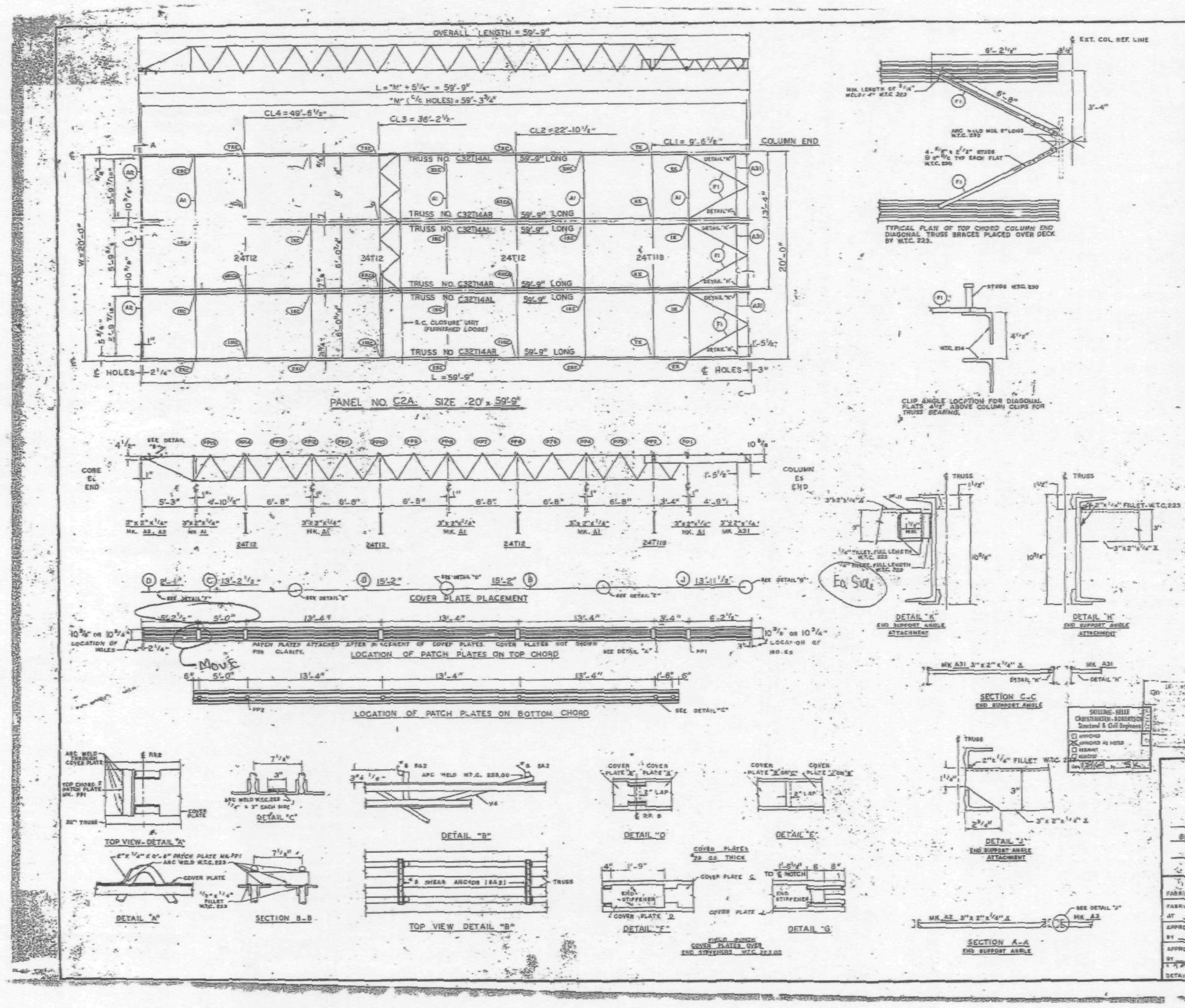
PANEL CR2B - 20' x 59'-8 1/2"

BLDG. B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-29	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 6/6/69	DRAWN BY [illegible] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY [illegible] FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP CR2B


OVERALL LENGTH = 58'-9"
PANEL NO. CR2A SIZE 20' x 59'-0"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
CLOSURE UNIT
CLOSURE PLATES
DIAGONAL PLATE
PATCH PLATES
COVER PLATES
ANGLE CLIPS
CONNECTION BAR
CONNECTION PLATES
REF. DRWG.
7-A83-29
7-A84-29
7-A81-13
7-A82-7
7-A82-15
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
PANEL CR2A - 20' x 59'-9"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-A83-29
DRAWN BY
DATE DEC. 5, 1968
CHECKED BY T.H. CHURA
DATE DEC. 5, 1968
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CR2A
DETAILED BY A.C. WEBER



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	ST 218
	T12	3	24T12 x 19'-11"	ST 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-8 1/2" TUBE	ST 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 5/8"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/8"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/2"	ST 410
CLOSURE PLATES	PC-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	S	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	6" x .0135" x 2'-	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 406
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	[illegible]	1" ϕ x 1'-3"	ST 400
	CB	1	1" ϕ x 1'-7	
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 405
	P9	6	3" x 1/2" x 1'-2"	ST 406

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (12).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

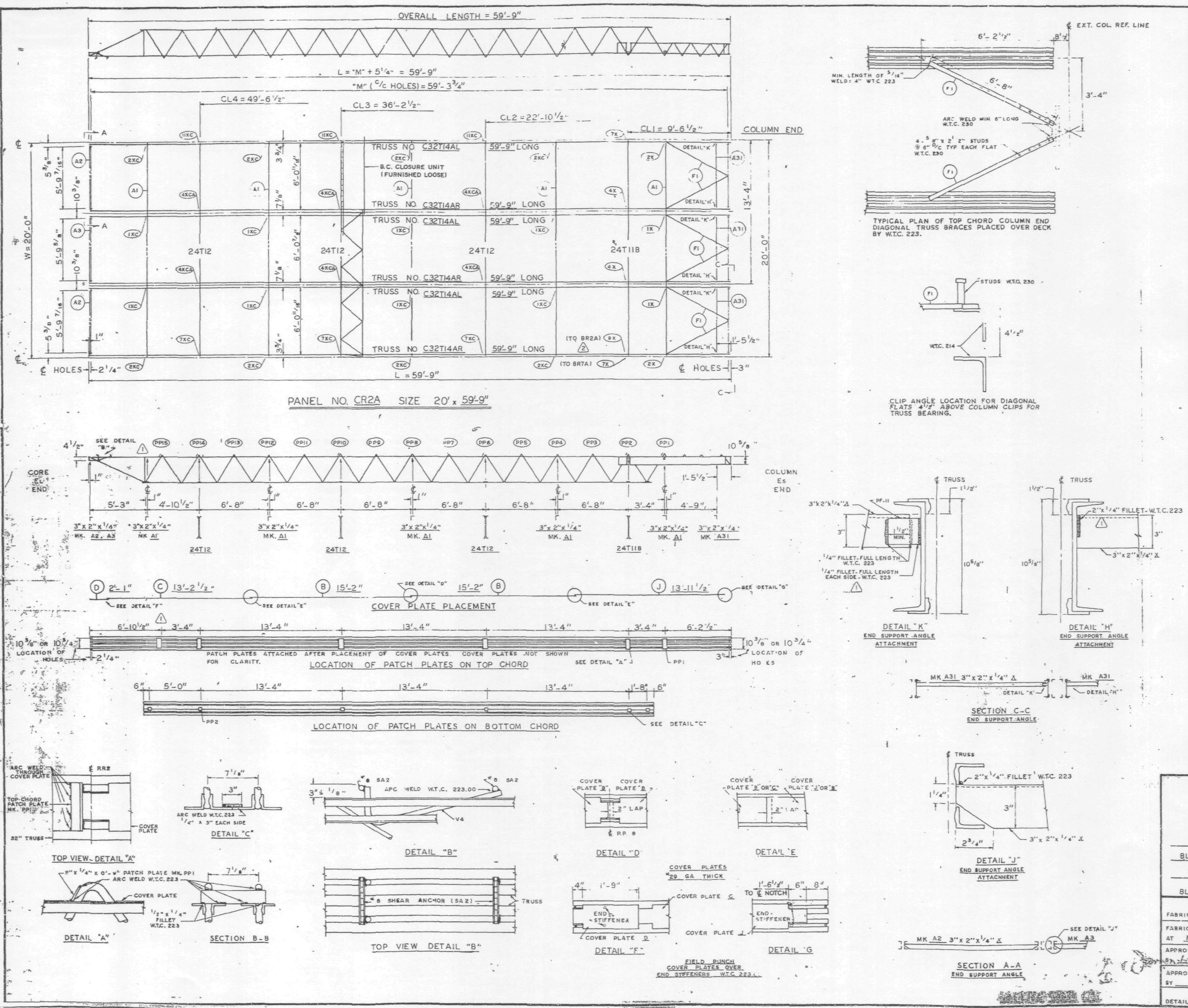
7-A83-28	10-4-68
7-A84-25	7-22-68
7-A81-13	10-4-68
7-A82-7	7-22-68
7-A82-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH)

PANEL C2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-A83-28 PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE
DRAWN BY ____ DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT NO W.T.C. 221
SHEET NO. FP C2A



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2"x 1 1/2"x .25"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
2	5-12-69	AS NOTED	G.D.C.
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

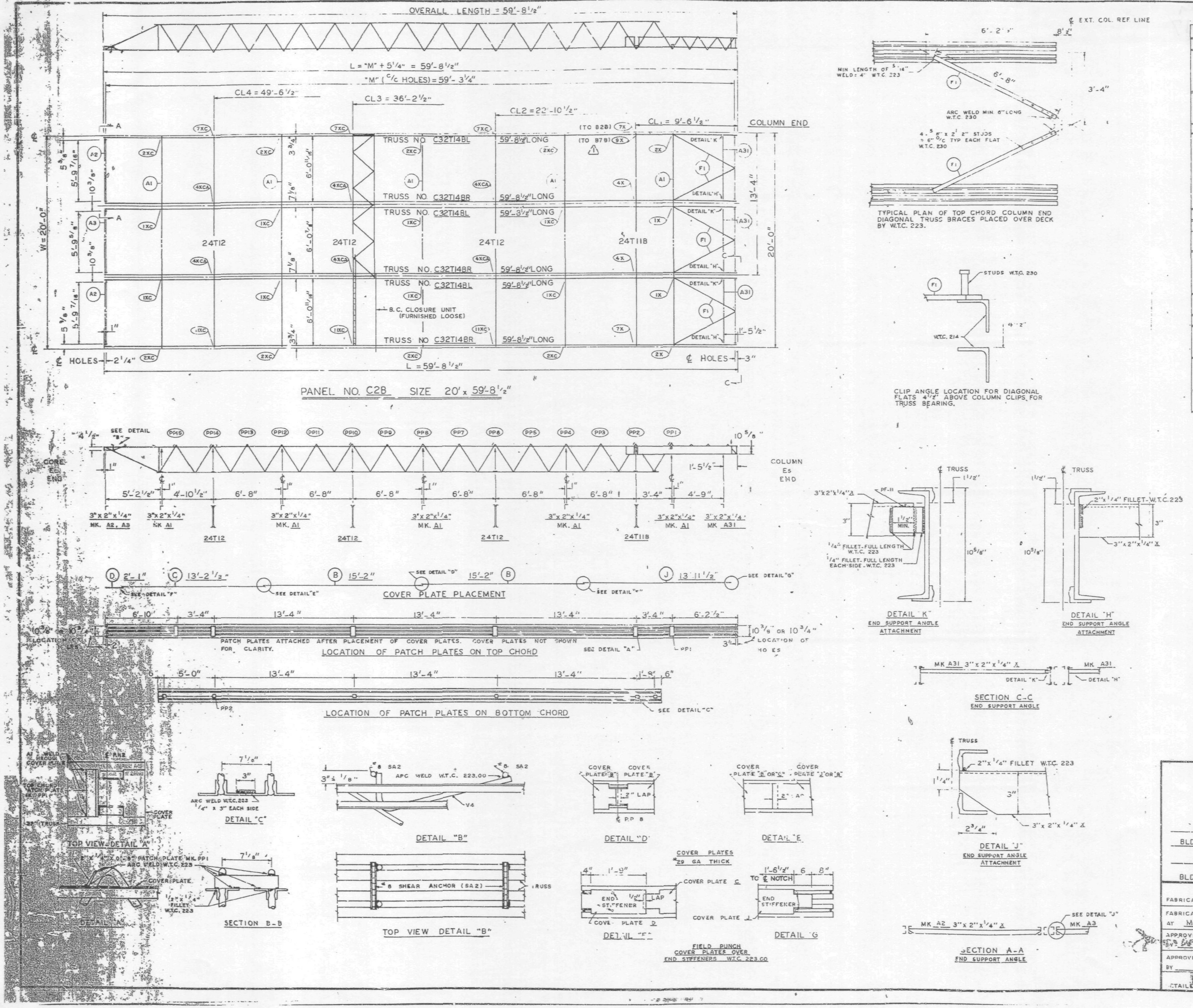
7-AB3-29	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)
PANEL CR2A - 20' x 59'-9"
BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

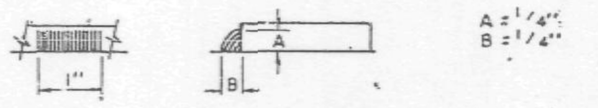
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-29
PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY
DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA
DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY A.G. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP CR2A

LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14BL	3	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	3	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 12'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ∅ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	5-12-69	AS NOTED	G.D.

REF. DRWG.

7-AB3-28	10-4-68
7-AB4-28	2-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)
PANEL C2B - 20' x 59'-8 1/2"
BLDG. B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-28 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 6/6/69
DRAWN BY [signature] DATE APRIL 28, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 28, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 221
SHEET NO. FP C2B